1985

STATISTICS of PAPER PAPERBOARD & WOOD PULP

DATA THROUGH 1984

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F O R E W O R D

We are pleased to present the twenty-third edition of the American Paper Institute's **Statistics of Paper, Paperboard and Wood Pulp.**

The Statistics of Paper, Paperboard and Wood Pulp is designed to present an up-to-date comprehensive statistical history of the paper and paperboard industry. In addition to the statistics on production, imports, exports, consumption, finances, prices, employment and wage rates, this report compares trends of new supply of paper and paperboard by major grades with trends in population and in total economic activity as measured by the real Gross National Product.

The current edition follows the format instituted in the 1981 report, combining the tables into functional groupings: (1) production and related data; (2) regional data; (3) data on inputs - fuels, fibrous raw materials, labor and capital, along with expenditures on research and development; (4) data on financial and price trends. The fifth section is a supplement presenting Census data on wet machine board and construction paper and board, together with the import and export data used to calculate paper and paperboard new supply. It also includes an index to this report.

Each section starts with a brief description and explanation of the tables contained in that section.

We welcome any comments or suggestions you may have concerning the usefulness of this report.

Norma Pace

Norma Pace
Senior Vice President

September 1985

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SECTION I

PRODUCTION AND RELATED OUTPUT DATA

Highlights of 1984

The paper industry established new records in production and consumption in 1984. The production total (including estimates for construction paper and paperboard and wet machine board) reached 70,557,000 tons, 5.3% above the previous high of 67,000,000 tons established in 1983.

New supply (production plus imports less exports) in 1984 totaled 77,245,000, 8.3% above the 71,325,000 tons reached in 1984. New supply per capita, as shown on Table I, also made a new high; at 657 pounds, it was 5.8% above the earlier high established in 1979. Use of paper and paperboard in the United States, is far above that of any other country.

The 8.3% gain in new supply of paper and paperboard may be compared to the 6.8% gain in the real gross national product (real GNP). Over the course of the business cycle, however, paper and paperboard new supply tends to lag real GNP on the downswing of the business cycle (note the 1975 and 1981-1982 patterns shown in the lower panels of Charts I and IA) and lead the growth of real GNP on the upswing of the cycle.

The high value of the dollar relative to that of the currencies of the other major paper, paperboard and wood pulp producing countries was a major factor in the large increase in imports and the reduction in exports of paper and allied products evident in 1984. Table I shows that imports of paper and allied products in 1984 were 23.3% above the 1983 total, while exports of these products fell by 4.0%.

At the same time, production of paper and paperboard was close to its effective capacity rate, with total paper averaging 93.4% of the reported capacity (see Table XI) and paperboard 94.8%. The major export products of the industry are kraft linerboard and bleached paperboard. In 1984 exports of kraft linerboard (as reported by the Bureau of the Census--Table XIV) fell by 9.0% to 2.05 million tons, but exports of bleached paperboard fell by only 1.7%, to 549,000 tons. Exports of total paper, at 810,000 tons, showed a 4.8% gain, running counter to the general trend.

Description of Tables

Table I presents data on production, imports, exports and new supply of total paper and paperboard, including API's estimates for the production of the construction and wet machine board grades.

Table I also presents data on new supply of total paper, paperboard, wet machine and construction paper and board, together with per capita new supply, real GNP, and the ratio of new supply to real GNP for selected years from 1899 to 1984.

Chart I summarizes the major trends shown in Table I for the 1959-1984 period.

Table IA and Chart IA present similar data for paper plus paperboard alone. Table IA and Chart IA are included here to show historical data consistent with the data that are reported in the API's "Paper, Paperboard and Wood Pulp Monthly Statistical Summary."

Table II presents detailed data on production of paper by grade. The data on production of unbleached kraft papers have been revised back to 1978. These revised data have been incorporated into the totals presented in Tables I and IA, as well as those shown in the production and new supply data presented in Table X.

Tables III to IX present detailed data on production of paperboard. Table III shows data on production of total paperboard; containerboard for domestic use by major grade; boxboard for domestic use by major grade and the total of all other grades (including production for export) for the period 1955 to 1984.

For the entire 1955-1984 period shown on this table, production of containerboard for domestic use grew at an average rate of 3.7% per year. This matched the growth in real GNP over this period, marking one of the strongest growth trends in paper and paperboard production.

Table IV presents additional detail on production of containerboard for domestic use, while Table V shows similar data for the bleached paperboard grades. Table VI shows regional data on production of paperboard for the containerboard and boxboard totals shown in Table III, for the years 1965-1984.

Table VII summarizes the paperboard production data, showing production by furnish (unbleached kraft, semichemical, solid bleached and recycled paperboard) and by major product. Table VIII shows monthly data on production of containerboard for domestic use; while Table IX presents data on boxplant consumption of these products.

Table X presents data on new supply of paper and paperboard, by grade, together with the ratios of new supply to real GNP, for the period 1959 to 1984. The trends show their growth rates relative to that of total economic activity. The import and export data used to compute new supply are shown in Tables XXIV and XXV, and are based on revisions to Census import and export data as reported by members of the various API Divisions.

Tables XI and XII present data on paper and paperboard and on wood pulp capacity, by grade, for the period 1972 to 1987, as reported in the API's Capacity Surveys.

Tables XIII and XIV present data on imports and exports based on data from the Foreign Trade Division of the Bureau of the Census, grouped into categories matching those used to report production (See Tables II-XI.)

Table XV presents data on the value of shipments of the various products reported at the 5-digit level of the Standard Industrial Classification for the Paper and Allied Products Industry Group for the years 1977 to 1982. As of the time of this publication, the 1983 data were not available. API will recompile this table with the 1983 data when they become available. A copy may be obtained by writing to the Economics Department of the API.

TABLE I

PAPER AND BOARD

(Includes Wet Machine Board and Construction Grades)

PRODUCTION, IMPORTS, EXPORTS AND NEW SUPPLY

1899 - 1984

YEAR	Production	Imports (Inc. Products)	Exports (Inc. Products)	New Supply*	Population Millions	Per Capita New Supply --lbs.--	Real Gross National Product $ Bil.1972 Prices	Ratio New Supply to Real GNP 000 Tons/Bil.$
	(Thousand Tons)							
1899	2,168	-	-	2,168	74.9	57.9	-	-
1919	5,966	708	421	6,253	105.1	119.6	-	-
1929	11,140	2,534	262	13,411	121.8	220.3	315.7	42.5
1934	9,187	2,265	163	11,289	126.5	178.3	239.1	47.2
1939	13,510	2,687	249	15,949	131.0	243.5	319.8	49.9
1944	17,183	2,576	314	19,445	138.9	280.0	569.1	34.2
1947	20,800	4,121	460	24,461	144.7	338.1	470.3	52.0
1948	21,532	4,582	377	25,737	147.2	349.7	489.8	52.5
1949	20,098	4,752	367	24,483	149.8	326.9	492.2	49.7
1950	23,992	5,006	364	28,634	152.3	376.0	534.8	53.5
1951	25,699	5,143	631	30,211	154.9	390.1	579.4	52.1
1952	24,008	5,190	584	28,614	157.6	363.1	600.8	47.6
1953	26,182	5,229	471	30,940	160.2	386.3	623.6	49.6
1954	26,411	5,165	682	30,894	163.0	379.1	616.1	50.1
1955	29,649	5,346	839	34,156	165.9	411.7	657.5	51.9
1956	30,901	5,780	775	35,906	168.9	425.2	671.6	53.5
1957	30,097	5,410	863	34,644	172.0	402.8	683.8	50.7
1958	30,214	5,092	847	34,459	174.9	394.0	680.9	50.6
1959	33,748	5,517	906	38,358	177.8	431.5	721.7	53.2
1960	33,904	5,633	1,021	38,517	180.7	426.3	737.2	52.2
1961	35,178	5,678	1,210	39,646	183.7	431.6	756.6	52.4
1962	37,062	5,740	1,187	41,616	186.5	446.3	800.3	52.0
1963	38,647	5,669	1,333	42,981	189.2	454.3	832.5	51.6
1964	40,962	6,209	1,694	45,477	191.9	474.0	876.4	51.9
1965	43,455	6,585	1,770	48,270	194.3	496.9	929.3	51.9
1966	46,702	7,358	1,942	52,115	196.6	530.2	984.8	52.9
1967	46,568	6,952	2,085	51,432	198.7	517.7	1,011.4	50.9
1968	50,134	6,842	2,625	54,351	200.7	542.0	1,058.1	51.4
1969	52,914	7,258	2,749	57,421	202.7	567.0	1,087.6	52.8
1970	51,671	7,115	2,817	55,969	205.1	545.8	1,085.6	51.6
1971	53,162	7,406	3,118	57,451	207.7	553.2	1,122.4	51.2
1972	57,433	7,676	3,069	62,040	209.9	591.1	1,185.9	52.3
1973	59,900	8,131	3,027	65,003	211.9	613.5	1,255.0	51.8
1974	59,040	8,065	3,797	63,308	213.9	591.9	1,248.0	50.7
1975	50,976	6,253	3,116	54,113	216.0	501.0	1,233.9	43.9
1976	58,329	7,142	3,456	62,015	218.0	568.9	1,298.2	47.8
1977	60,040	7,432	3,230	64,241	220.2	583.5	1,369.7	46.9
1978R	62,047	9,113	3,373	67,787	222.6	609.0	1,438.6	47.1
1979R	64,345	9,123	3,672	69,796	225.1	620.1	1,479.4	47.2
1980R	63,536	8,780	5,214	67,103	227.7	589.4	1,475.0	45.5
1981R	64,263	8,339	4,641	67,961	230.1R	590.7	1,512.2	44.9
1982R	60,985**	8,024	4,246	64,763	232.3R	557.6	1,480.0	43.8
1983R	66,920**	8,986	4,568	71,339	234.5	608.4	1,534.7	46.5
1984P	70,557**	11,076	4,387	77,246	236.6	653.0	1,639.3	47.1

SOURCE: Production 1899-1958 - Department of Commerce, Bureau of the Census
Production 1959-1984 - American Paper Institute
Imports and Exports - Department of Commerce, Bureau of the Census
Population - Department of Commerce, Bureau of the Census
Real Gross National Product - Department of Commerce, Bureau of Economic Analysis
All calculations by American Paper Institute

NOTE: Production, Imports and Exports 1899-1944 includes Hard Pressed Board.
Population data include Armed Forces overseas.
R - Revised P - Preliminary

* New Supply = Production plus Imports less Exports; includes imports and exports of products.

** Includes API estimate for construction and wet machine board grades: 1982 - 1,662,000 tons; 1983 - 1,920,000 tons; 1984 - 2,100,000 tons. (See Table X.)

Chart 1

PAPER AND PAPERBOARD

(Including Wet Machine Board & Construction Grades)

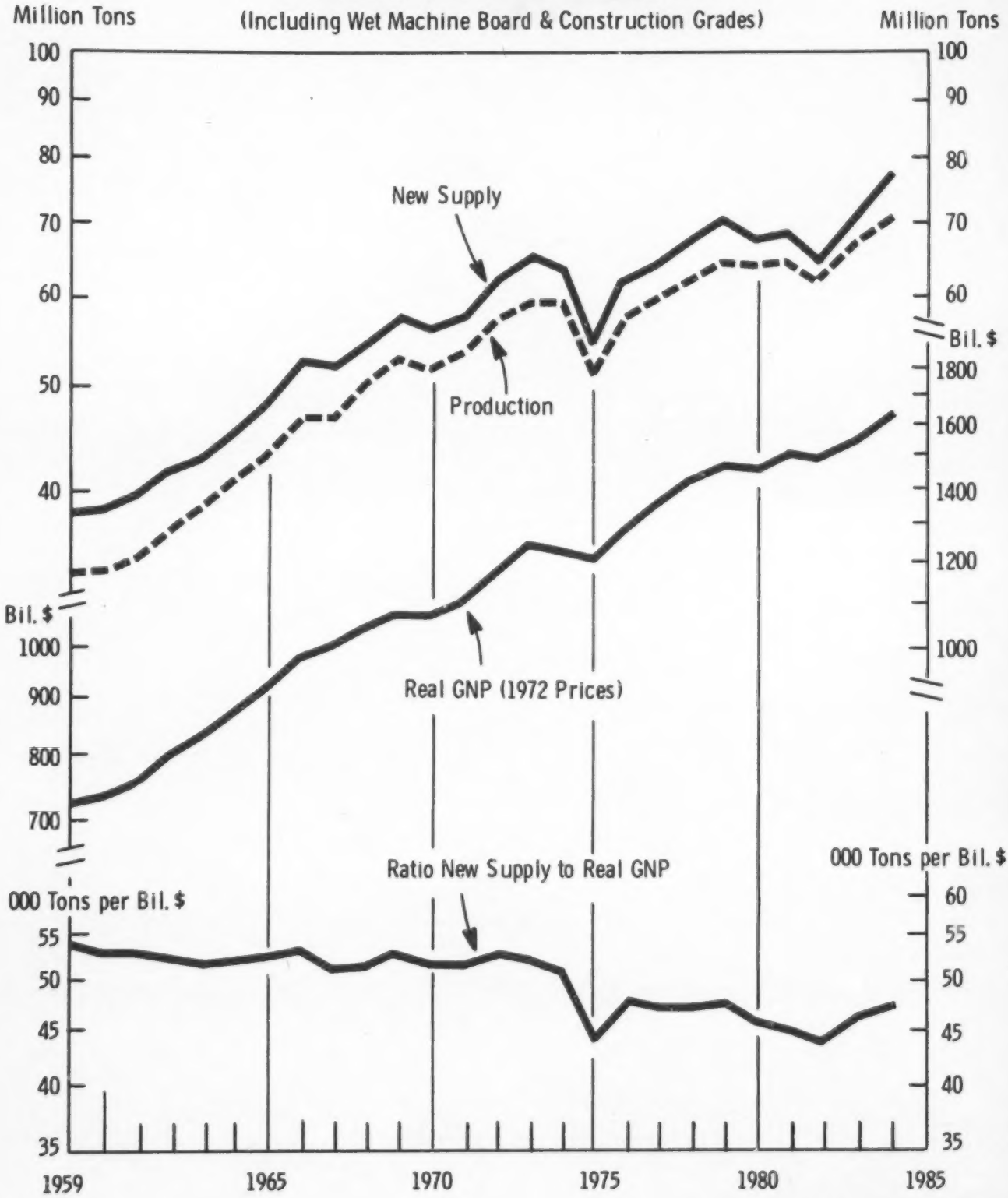

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TABLE IA

PAPER PLUS PAPERBOARD

PRODUCTION, IMPORTS, EXPORTS AND NEW SUPPLY

1959 - 1984

YEAR	Production	Imports	Exports	New Supply*	Real Gross National Product $ Bil.1972 Prices	Ratio New Supply to Real GNP 000 Tons/$ Bil.
	-Thousand Tons-					
1959	30,997	5,484	874	35,607	721.7	49.3
1960	31,221	5,611	990	35,842	737.2	48.6
1961	32,548	5,663	1,174	37,037	756.6	49.0
1962	34,407	5,719	1,154	38,972	800.3	48.7
1963	35,914	5,637	1,302	40,249	832.5	48.3
1964	38,066	6,154	1,660	42,560	876.4	48.6
1965	40,489	6,545	1,737	45,297	929.3	48.7
1966	43,904	7,327	1,904	49,327	984.8	50.1
1967	43,745	6,917	2,054	48,608	1,011.4	48.1
1968	47,071	6,793	2,587	51,277	1,058.1	48.5
1969	49,810	7,209	2,703	54,316	1,087.6	49.9
1970	48,719	7,057	2,779	52,997	1,085.6	48.8
1971	49,741	7,319	3,076	53,984	1,122.4	48.1
1972	53,841	7,567	3,020	58,388	1,185.9	49.2
1973	56,346	8,019	2,966	61,399	1,255.0	48.9
1974	55,757	7,970	3,720	60,007	1,248.0	48.1
1975	47,997	6,164	3,050	51,111	1,233.9	41.4
1976	54,944	7,042	3,388	58,598	1,298.2	45.1
1977	56,656	7,294	3,171	60,779	1,369.7	44.4
1978	58,571	8,781	3,301	64,050	1,438.6	44.5
1979	61,070	8,738	3,610	66,198	1,479.4	44.7
1980	60,978	8,304	5,148	64,135	1,475.0	43.5
1981	62,113	7,941	4,561	65,493	1,512.2	43.3
1982	59,323	7,603	4,187	62,738	1,480.0	42.4
1983R	65,000	8,509	4,501	69,008	1,534.7	45.0
1984P	68,457	10,576	4,309	74,724	1,639.3	45.6

SOURCE: See Table I
NOTE: All data exclude wet machine board, building paper and insulating board.
* - New Supply = Production plus imports less exports; includes imports and exports of products.
R - Revised
P - Preliminary

Chart 1A

PAPER & PAPERBOARD

(Excluding Wet Machine Board & Construction Grades)

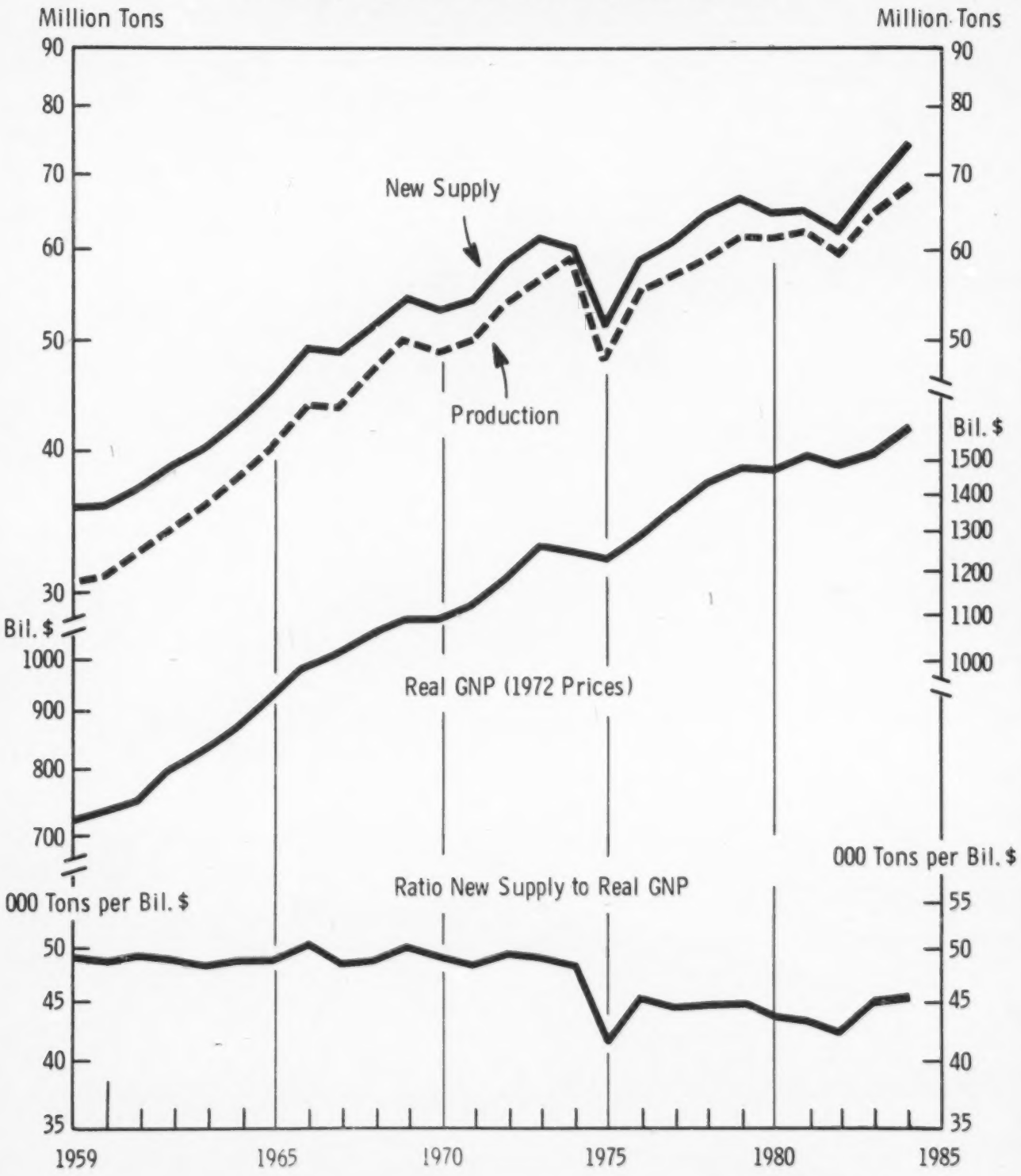

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TABLE II

TOTAL PAPER SHIPMENTS

1959 - 1964

(Thousands of Tons)

	1959	1960	1961	1962	1963	1964
TOTAL PAPER, ALL GRADES	**15,025.3**	**15,294.6**	**15,821.1**	**16,560.4**	**17,319.5**	**18,111.7**
Newsprint Production	**1,964.0**	**2,038.0**	**2,094.0**	**2,153.9**	**2,218.0**	**2,261.0**
Total Printing-Writing Papers	**6,907.4**	**7,120.6**	**7,369.9**	**7,803.7**	**8,183.5**	**8,667.9**
Uncoated Groundwood	**896.4**	**929.0**	**907.3**	**909.7**	**956.4**	**995.4**
Publishing and Printing	731.0	746.8	746.2	755.0	806.7	837.2
Converting	165.4	182.2	161.1	154.7	149.7	158.2
Coated Papers	**1,992.3**	**2,122.3**	**2,159.3**	**2,290.5**	**2,425.2**	**2,608.3**
Uncoated Free Sheet Papers	**3,095.8**	**3,112.5**	**3,270.1**	**3,458.3**	**3,634.1**	**3,847.5**
Chemical Wood Pulp Writing Papers	1,205.5	1,166.2	1,279.6	1,401.5	1,452.2	1,538.3
Bond and Writing	429.2	371.8	407.0	457.3	470.0	499.2
Form Bond	245.0	260.0	300.0	345.0	375.0	420.0
Ledger	47.1	42.6	43.5	45.9	45.1	43.0
Mimeograph	102.5	102.1	110.0	113.3	110.9	116.5
Duplicating	92.3	93.6	106.0	111.5	116.0	117.3
Manifold	25.8	25.8	24.3	22.9	17.4	15.5
Papeterie and Wedding	50.1	49.9	44.7	49.3	42.9	45.2
Opaque Circular	27.8	30.1	28.8	26.5	27.3	20.6
Other	185.7	190.3	215.3	229.8	247.6	261.0
Cover and Text Papers	129.0	133.1	142.1	153.8	155.4	168.1
Other Uncoated Free Sheet	1,761.3	1,813.2	1,848.4	1,903.0	2,026.5	2,141.1
M.F., E.F. & Super Calendered	478.5	437.4	346.6	274.2	264.1	240.1
Offset	547.8	622.6	679.3	765.1	862.3	948.5
White Wove Envelope	261.6	267.3	280.0	310.6	318.8	357.3
Tablet	219.6	221.5	249.9	250.3	281.5	293.7
Kraft Envelope Papers: Total	154.3	157.7	164.1	175.3	175.2	172.0
Brown Kraft - Estimated	70.0	75.0	80.0	85.0	85.0	80.0
Bleached Kraft - Estimated	74.3	82.7	84.1	90.3	90.2	92.0
Other	99.5	106.7	128.5	127.5	124.6	129.5
Thin Papers	**135.1**	**148.1**	**153.9**	**183.7**	**178.7**	**192.7**
Cotton Fiber Papers	**119.9**	**115.0**	**118.6**	**118.0**	**118.8**	**117.8**
Bond and Writing	67.5	66.4	69.4	68.8	70.8	72.1
Other Business	32.1	29.9	30.4	30.5	29.7	28.0
Technical and Other	20.3	18.7	18.8	18.7	18.3	17.7
Bleached Bristols	**667.9**	**693.7**	**760.7**	**843.5**	**870.3**	**906.2**
Tabulating Index	279.3	298.2	342.9	393.7	395.5	419.4
Tag	144.1	143.1	149.5	154.6	164.7	171.5
File Folder	44.6	42.9	39.2	51.2	58.9	59.6
Index Bristol	98.3	92.4	94.2	97.6	98.0	97.4
Printing Bristol	20.1	19.9	21.7	22.3	22.3	22.4
Postcard	13.3	16.5	18.7	18.6	13.7	10.4
Coated Bristol	68.2	80.7	94.5	105.5	117.2	125.5
Total Packaging and Industrial Papers	**4,026.0**	**3,934.6**	**4,045.0**	**4,188.6**	**4,341.6**	**4,436.1**
Unbleached Kraft, Bleached Packaging, Glassine, Greaseproof & Vegetable Parchment	**3,731.0**	**3,651.4**	**3,733.0**	**3,880.6**	**4,027.2**	**4,091.7**
Unbleached Kraft Papers	2,776.1	2,738.7	2,779.7	2,890.9	3,051.4	3,098.4
Wrapping	337.3	329.6	343.2	339.2	354.6	352.2
Bag and Sack (Exc. Shipping Sack)	1,102.0	1,127.2	1,135.1	1,231.0	1,270.2	1,326.2
Shipping Sack	813.6	786.7	795.9	797.8	880.7	865.9
Other Converting	523.2	495.2	505.5	522.9	545.9	554.1
Bleached Packaging Papers (Census)	779.0	735.5	769.1	799.0	782.0	797.4
Wrapping	228.7	215.0	196.3	204.3	191.4	191.7
Bag and Sack (Exc. Shipping Sack)	102.8	102.6	121.7	134.5	130.4	138.5
Shipping Sack	54.7	59.3	61.4	59.8	67.0	75.2
Other Converting 1/	392.8	358.6	389.7	400.4	393.2	392.0
Glassine, Grsprf. and Veg. Parch. (Census)	175.9	177.2	184.2	190.7	193.8	195.9
Special Industrial Papers (Census)	**295.0**	**283.2**	**312.0**	**308.0**	**314.4**	**344.4**
Total Tissue Papers (Census)	**2,127.9**	**2,201.4**	**2,312.2**	**2,414.2**	**2,576.4**	**2,746.7**
Total Sanitary Tissue Stock	**1,881.7**	**1,963.6**	**2,078.0**	**2,178.9**	**2,340.4**	**2,515.7**
Toilet Tissue	878.4	878.0	936.1	985.4	1,054.6	1,107.2
Facial Tissue Stock	233.7	254.2	262.0	261.8	278.4	327.4
Napkin Stock	228.6	238.1	246.6	249.5	261.3	266.1
Towelling*	469.1	516.2	558.9	604.5	662.9	723.1
Wiper Stock*	21.7	25.7	26.5	31.9	33.1	38.4
Other Sanitary Tissue*	50.2	51.3	47.7	45.8	50.0	53.5
Total All Other Tissue	**246.2**	**237.8**	**234.3**	**235.3**	**236.0**	**231.0**

1/ Excludes Bleached Kraft Envelope Paper * Revised slightly by API

NOTE (Census): Current Industrial Reports, Pulp, Paper and Board

TABLE II (Cont.)

TOTAL PAPER SHIPMENTS

1959 - 1984

(Thousands of Tons)

	1965	1966	1967	1968	1969	1970
TOTAL PAPER, ALL GRADES	**19,157.0**	**20,724.9**	**20,925.6**	**22,167.7RS**	**23,434.6**	**23,3[illegible]5.5**
Newsprint Production	**2,245.0**	**2,483.0**	**2,709.0**	**3,045.0**	**3,362.0**	**3,[illegible]4.0**
Total Printing-Writing Papers	**9,337.5**	**10,318.4**	**10,121.9**	**10,497.9RS**	**11,157.0**	**10,922.3**
Uncoated Groundwood	**974.0**	**1,088.3**	**1,019.6**	**1,090.3**	**1,094.9**	**1,084.6**
Publishing and Printing	814.0	876.4	806.4	883.3	914.0	924.4
Converting	160.0	211.9	213.2	207.0	180.9	160.2
Coated Papers	**2,814.2**	**3,087.6**	**3,086.4**	**3,100.5RS**	**3,306.4**	**3,239.2**
Uncoated Free Sheet Papers	**4,216.0**	**4,691.9**	**4,577.0**	**4,817.7**	**5,214.9**	**5,124.4**
Chemical Wood Pulp Writing Papers	1,725.9	1,931.2	1,964.2	2,061.7	2,307.0	2,288.9
Bond and Writing	555.9	620.8	613.9	627.1	718.0	698.6
Form Bond	490.0	575.0	600.0	645.0	778.1	722.1
Ledger	46.6	49.1	47.5	54.6	51.1	48.2
Mimeograph	117.3	125.4	122.7	115.1	113.1	126.4
Duplicating	125.6	134.9	141.9	160.9	172.5	165.6
Manifold	19.9	20.2	17.2	14.0	11.0	9.8
Papeterie and Wedding	45.5	51.7	51.7	56.0	59.9	53.9
Opaque Circular	22.9	23.8	24.6	23.3	25.0	23.6
Other	302.2	330.3	344.7	365.7	378.3	440.7
Cover and Text Papers	186.0	194.1	192.2	192.8	200.1	193.2
Other Uncoated Free Sheet	2,306.1	2,566.6	2,420.6	2,536.2	2,707.8	2,642.3
M.F., E.F. & Super Calendered	219.3	228.2	209.9	198.2	214.3	162.1
Offset	1,062.4	1,221.9	1,165.3	1,272.1	1,356.5	1,360.4
White Wove Envelope	392.4	412.8	423.0	459.6	461.2	466.1
Tablet	304.4	346.3	294.6	313.0	320.9	342.4
Kraft Envelope Papers: Total	194.0	203.7	188.5	186.6	208.8	189.6
Brown Kraft	67.0E	68.1E	92.9E	92.1E	102.9	95.7
Bleached Kraft	127.0E	135.6E	95.6E	94.5E	105.9	93.9
Other	131.6	153.7	139.3	133.7	146.1	121.7
Thin Papers	**211.3**	**245.4**	**238.0**	**261.6**	**289.0**	**287.9**
Cotton Fiber Papers	**122.3**	**126.3**	**124.8**	**124.0**	**128.1**	**115.4**
Bond and Writing	74.8	78.7	74.8	80.5	85.3	76.5
Other Business	29.0	28.8	30.1	25.2	24.7	23.4
Technical and Other	18.5	18.8	19.9	18.3	18.1	15.5
Bleached Bristols	**999.7**	**1,078.9**	**1,076.1**	**1,103.8**	**1,123.7**	**1,070.8**
Tabulating Index	478.6	514.4	533.2	534.6	558.7	499.6
Tag	194.9	196.9	187.4	203.7	193.5	184.3
File Folder	64.0	71.4	71.0	77.8	76.5	72.0
Index Bristol	100.6	115.0	105.5	104.4	100.4	102.3
Printing Bristol	23.4	26.5	24.6	24.0	28.4	32.0
Postcard	8.8	10.3	8.5	5.2	6.8	6.7
Coated Bristol	129.4	144.4	145.9	154.1	159.4	173.9
Total Packaging and Industrial Papers	**4,683.9**	**4,823.7**	**4,865.8**	**5,168.9**	**5,304.8**	**5,230.8**
Unbleached Kraft, Bleached Packaging, Glassine, Greaseproof & Vegetable Parchment	**4,319.1**	**4,430.1**	**4,479.3**	**4,753.1**	**4,861.8**	**4,809.7**
Unbleached Kraft Papers	3,293.1	3,414.4	3,391.9	3,602.5	3,670.2	3,672.4
Wrapping	358.9	370.0	334.7	353.5	327.7	296.4
Bag and Sack (Exc. Shipping Sack)	1,447.7	1,548.1	1,631.3	1,713.0	1,797.9	1,927.4
Shipping Sack	894.9	884.7	902.5	978.8	983.5	953.3
Other Converting	591.6	611.6	523.4	557.2	561.1	495.3
Bleached Packaging Papers (Census)	825.4	801.1	891.3	942.9	975.2	934.0
Wrapping	207.4	208.4	217.7	210.5	229.3	219.6
Bag and Sack (Exc. Shipping Sack)	163.1	171.6	185.5	207.8	227.3	218.6
Shipping Sack	72.0	73.7	89.1	88.7	99.8	97.9
Other Converting 1/	382.9	347.4	398.9	435.8	418.7	397.9
Glassine, Grspf. and Veg. Parch. (Census)	200.6	214.6	196.1	207.7	216.4	203.3
Special Industrial Papers (Census)	**364.8**	**393.6**	**386.5**	**415.8**	**443.0**	**421.1**
Total Tissue Papers	**2,890.6C**	**3,099.8C**	**3,228.9**	**3,455.9**	**3,610.8**	**3,718.4**
Total Sanitary Tissue Stock	**2,651.4**	**2,847.5**	**2,976.7**	**3,217.2**	**3,368.6**	**3,494.0**
Toilet Tissue	1,120.9	1,169.9	1,171.0	1,273.1	1,274.7	1,323.1
Facial Tissue Stock	327.2	337.5	349.1	349.8	386.4	365.0
Napkin Stock	287.3	332.8	347.3	374.7	377.8	381.2
Towelling	816.4	897.7	987.8	1,077.7	1,136.9	1,168.1
Wiper Stock	40.1	49.1	48.9	50.3	58.3	55.8
Other Sanitary Tissue	59.5	60.5	72.8	91.5	134.1	200.8
Total All Other Tissue	**239.2**	**252.3**	**252.1**	**238.7**	**242.2**	**224.5**

E - Estimated 1/ Excludes Bleached Kraft Envelope Paper RS - Revised Series R - Revised

NOTE (Census): Current Industrial Reports, Pulp, Paper and Board C - Bureau of the Census data

TABLE II (Cont.)

TOTAL PAPER SHIPMENTS

1959-1984

(Thousands of Tons)

	1971	1972	1973	1974	1975	1976	1977
TOTAL PAPER, ALL GRADES	**23,704.1**	**25,339.5**	**26,774.7**	**26,841.4R**	**23,240.8R**	**26,553.6R**	**27,702.9**
Newsprint Production	**3,476.0**	**3,656.0**	**3,738.0**	**3,561.0#**	**3,691.0**	**3,735.9**	**3,870.5**
Total Printing-Writing Papers	**11,150.1**	**12,213.2**	**13,388.7**	**13,450.1**	**10,981.3**	**13,223.5**	**13,859.6**
Uncoated Groundwood	**1,089.2**	**1,126.0**	**1,180.9**	**1,192.4**	**1,127.2**	**1,320.6**	**1,359.7**
Publishing and Printing	929.0	950.9	985.1	1,001.8	947.5	1,066.5	1,082.4
Converting	160.2	175.1	195.8	190.6	179.7	254.1	277.3
Coated Papers	**3,191.9**	**3,483.2**	**3,779.1**	**3,775.8**	**3,155.4**	**3,933.1**	**4,210.3**
Uncoated Free Sheet Papers	**5,386.9**	**5,991.2**	**6,713.6**	**6,795.3**	**5,363.3**	**6,492.8**	**6,790.8**
Chemical Wood Pulp Writing Papers	2,435.2	2,753.2	3,294.6	3,603.9	2,768.6	3,369.4	3,523.2
Bond and Writing	761.5	889.6	1,075.0	1,332.6	1,017.3	1,278.9	1,353.5
Form Bond	787.1	913.0	1,119.9	1,161.5	950.1	1,164.4	1,208.3
Ledger	51.5	53.9	62.0	71.0	51.2	57.8	59.9
Mimeograph	125.5	128.2	143.3	128.8	96.2	100.8	92.3
Duplicating	162.9	171.4	182.4	178.4	123.6	136.0	147.0
Manifold	10.7	11.8	12.7	11.7	9.0	12.0	9.2
Papeterie and Wedding	51.9	51.1	57.3	47.3	34.2	47.5	43.6
Opaque Circular	24.5	26.2	33.6	38.1	26.6	32.8	32.7
Other	459.6	508.0	608.4	634.5	460.4	539.2	576.7
Cover and Text Papers	181.0	194.4	219.5	213.1	156.2	175.3	189.1
Other Uncoated Free Sheet	2,770.7	3,043.6	3,199.5	2,978.3	2,438.5	2,948.1	3,078.5
M.F., E.F. & Super Calendered	147.6	128.6	154.6	128.1	66.5	69.3	66.1
Offset	1,443.4	1,661.8	1,828.9	1,800.6	1,435.9	1,748.6	1,856.8
White Wove Envelope	467.6	527.0	570.9	530.6	456.6	519.9	554.4
Tablet	401.3	396.5	305.5	167.5	229.3	299.6	285.4
Kraft Envelope Papers: Total	176.9	189.5	214.0	203.1	163.8	204.0	203.3
Brown Kraft	93.7	93.2	106.7	98.3	83.4	101.4	101.1
Bleached Kraft	83.2	96.3	107.3	104.8	80.4	102.6	102.2
Other	133.9	140.2	125.6	148.4	86.4	106.7	112.5
Thin Papers	**292.3**	**333.2**	**358.2**	**371.8**	**310.8**	**348.4**	**338.7**
Cotton Fiber Papers	**112.8**	**119.1**	**123.7**	**117.0**	**94.5**	**104.2**	**108.5**
Bond and Writing	75.7	81.1	85.5	82.2	67.6	75.8	80.2
Other Business	21.1	22.2	22.8	20.8	16.3	15.8	15.6
Technical and Other	16.0	15.8	15.4	14.0	10.6	12.6	12.7
Bleached Bristols	**1,077.0**	**1,160.5**	**1,233.2**	**1,197.8**	**930.1**	**1,024.4**	**1,051.6**
Tabulating Index	458.3	465.0	491.2	498.6	372.7	334.3	338.0
Tag	193.5	217.1	220.3	140.1	132.3	177.6	177.1
File Folder	80.9	88.3	87.1	66.9	86.0	92.0	99.3
Index Bristol	106.1	120.9	130.9	181.0	119.0	140.8	135.6
Printing Bristol	32.9	39.2	46.9	52.5	37.9	43.0	46.4
Postcard	6.7	5.7	3.1	0.2	1.3	1.4	1.3
Coated Bristol	198.6	224.3	253.7	258.5	180.9	235.3	253.9
Total Packaging and Industrial Papers	**5,245.4**	**5,493.7**	**5,609.2**	**5,743.9**	**4,589.1**	**5,410.6**	**5,687.6**
Unbleached Kraft, Bleached Packaging, Glassine, Greaseproof & Vegetable Parchment	**4,807.1**	**4,986.9**	**4,999.1**	**5,132.6**	**4,138.4**	**4,824.0**	**5,151.2**
Unbleached Kraft Papers	3,649.2	3,810.9	3,901.6	4,033.5RS	3,253.7	3,788.1	3,805.6
Wrapping	280.3	282.5	272.3	175.3RS	139.1	150.0	156.4
Bag and Sack (Exc. Shipping Sack)	1,929.3	2,014.5	2,006.2	2,130.5RS	1,924.6	2,106.2	2,099.7
Shipping Sack	930.4	935.7	1,025.8	1,187.2RS	838.4	1,004.2	1,035.0
Other Converting	509.2	578.2	597.3	540.5RS	351.6	527.7	514.5
Bleached Packaging Papers (Census)	952.1	942.0	867.0	858.6	693.5	828.7	1,127.0*
Wrapping	205.7	204.4	158.1	143.1	115.3	126.4	136.1
Bag and Sack (Exc. Shipping Sack)	234.7	240.8	254.2	245.2	227.8	273.9	304.1
Shipping Sack	101.9	105.1	104.4	130.2	95.3	127.6	106.8
Other Converting 1/	409.8	391.7	350.4	340.1	255.1	300.8	580.0
Glassine, Grsprf. and Veg. Parch. (Census)	205.8	234.0	230.5	240.5	191.2	207.2	218.6
Special Industrial Papers	**438.3**	**506.8**	**610.1**	**611.3RS**	**450.7**	**586.6**	**536.4**
Total Tissue Papers (Census)	**3,832.6**	**3,976.6**	**4,038.8**	**4,086.4**	**3,979.4**	**4,183.6**	**4,285.2**
Total Sanitary Tissue Stock	**3,604.3**	**3,746.2**	**3,771.8**	**3,823.2**	**3,771.9**	**3,954.6**	**4,069.6**
Toilet Tissue	1,376.2	1,398.7	1,440.5	1,466.1	1,520.1	1,608.9	1,660.2
Facial Tissue Stock	341.1	367.2	361.8	356.9	339.8	335.1	336.0
Napkin Stock	394.7	419.3	447.7	442.5	462.1	455.2	491.9
Towelling	1,183.7	1,249.4	1,276.4	1,333.2	1,248.5	1,323.2	1,353.4
Wiper Stock	54.9	59.4	61.3	45.3	37.0	46.4	43.8
Other Sanitary Tissue	253.8	252.2	184.1	179.2	164.6	185.9	184.3
Total All Other Tissue	**228.3**	**230.5**	**267.0**	**263.2**	**207.5**	**228.9**	**216.0**

NOTE (Census): Current Industrial Reports, Pulp, Paper and Board

1/ Excludes Bleached Kraft Envelope Paper

Basis weight change from 32 lb. to 30 lb.

R - Revised RS - Revised Series

TABLE II (Cont.)

TOTAL PAPER SHIPMENTS

1959 - 1984

(Thousands of Tons)

	1978	1979	1980	1981	1982	1983	1984P
TOTAL PAPER, ALL GRADES	28,295.8R	29,641.4	30,026.4	30,881.0	30,257.6	32,823.0	34,417.5
Newsprint Production	3,767.5	4,061.9	4,672.3	5,238.6	5,041.9	5,167.0	5,538.9
Total Printing-Writing Papers	14,568.9	15,318.6	15,543.6	15,720.5	15,602.8	17,369.7	18,403.0
Uncoated Groundwood	1,354.4	1,509.0	1,498.8	1,471.1	1,470.8	1,530.8	1,565.3
Publishing and Printing	1,061.0	1,186.0	1,178.2	1,113.1	1,113.2	1,189.7	1,252.2
Converting	293.4	323.0	320.6	358.0	357.6	342.9	313.1
Coated Papers	4,399.9	4,472.3	4,621.6	4,892.7	4,991.0	5,715.8	6,248.9
Uncoated Free Sheet Papers	7,246.0	7,863.1	8,032.2	7,917.4	7,861.3	8,779.7	9,207.3
Chemical Wood Pulp Writing Papers	3,793.9	4,087.2	4,335.2	4,303.0	4,263.8	4,768.9	5,025.2
Bond and Writing	1,424.7	1,578.3	1,789.7	1,694.0	1,768.5	2,057.3	2,114.8
Form Bond	1,330.5	1,449.3	1,491.6	1,580.3	1,513.4	1,692.5	1,836.4
Ledger	57.7	58.0	51.3	49.9	48.9	51.4	50.6
Mimeograph	91.9	85.6	90.9	75.5	53.0	55.9	47.6
Duplicating	149.5	153.3	173.6	147.6	139.8	132.1	117.4
Manifold	12.1	10.8	8.9	4.0	3.1	2.9	2.3
Papeterie and Wedding	49.2	56.4	46.2	45.6	42.0	38.7	42.8
Opaque Circular	39.6	45.5	36.3	36.9	39.7	41.3	46.1
Carbonless	N.A.	N.A.	338.8	375.2	378.7	400.0	443.4
Other	638.7	650.0	307.9	294.0	276.7	296.8	323.8
Cover and Text Papers	212.1	243.1	238.2	243.0	235.1	276.0	299.5
Other Uncoated Free Sheet	3,240.0	3,532.8	3,458.8	3,371.4	3,362.4	3,734.8	3,882.6
M.F., E.F. & Super Calendered	69.5	85.9	78.7	77.3	65.7	82.5	72.2
Offset	1,880.6	2,109.7	2,034.9	1,981.6	1,977.9	2,164.5	2,343.3
White Wove Envelope	592.3	634.9	649.9	638.3	638.7	715.1	773.7
Tablet	350.4	320.1	323.1	316.9	345.3	406.1	299.2
Kraft Envelope Papers: Total	230.2	234.4	226.2	221.5	207.8	230.7	237.4
Brown Kraft	121.1	115.6	111.7	111.0	102.2	114.2	113.8
Bleached Kraft	109.1	118.8	114.5	110.5	105.6	116.5	123.6
Other	117.0	147.8	146.0	135.8	127.0	135.9	156.8
Thin Papers	351.7	371.4	333.0	353.4	297.0	279.8	275.0
Cotton Fiber Papers	114.4	124.6	126.3	125.6	120.2	132.7	147.2
Bond and Writing	84.4	93.1	95.2	95.3	94.8	105.9	119.4
Other Business	16.3	16.6	14.1	13.7	11.0	10.6	8.8
Technical and Other	13.7	14.9	17.0	16.6	14.4	16.2	19.0
Bleached Bristols	1,102.5	978.2	931.7	960.3	862.5	930.9	959.3
Tabulating Index	310.6	217.0	202.3	152.8	123.2	106.7	68.0
Tag	207.7	208.7	177.7	194.3	168.9	190.9	196.7
File Folder	112.3	127.6	114.0	127.0	120.7	144.0	139.8
Index Bristol	143.4	137.9	147.0	143.4	130.4	136.4	140.8
Printing Bristol	51.3	53.0	52.1	51.1	49.6	55.2	56.1
Postcard	0.6	0.2	0.4	1.4	2.4	1.9	2.8
Coated Bristol	276.6	233.8	238.2	290.3	267.3	295.8	355.1
Total Packaging and Industrial Papers	5,744.6	5,740.4	5,435.5	5,404.3R	5,175.2	5,497.3	5,555.0
Unbleached Kraft and Bleached Packaging, Glassine, Greaseproof & Vegetable Parchment	5,237.6	5,196.8	4,961.0	4,918.8[2]/R	4,438.1[2]/	4,693.7	4,705.0
Unbleached Kraft Papers	3,863.4	3,931.0	3,815.8	3,732.7R	3,562.9	3,665.6	3,665.8
Wrapping	156.3	149.6	115.7	106.6	92.8	100.3	97.1
Bag and Sack (Exc. Shipping Sack)	2,224.5	2,225.8	2,269.4	2,209.2	2,210.9	2,288.6	2,284.1
Shipping Sack	990.3	1,085.8	1,033.3	1,014.6	895.1	879.3	879.7
Other Converting	492.3	469.8	397.4	402.3	364.1	397.4	404.9
Bleached Packaging Papers (Census)	1,115.2*	1,031.9	943.5	N.A.	N.A.	N.A.	N.A.
Wrapping	154.2	118.9	102.6	47.3[2]/	44.6	46.4	38.1
Bag and Sack (Exc. Shipping Sack)	276.7	250.4	228.6	217.1[2]/	222.4	239.9	259.1
Shipping Sack	91.6	102.4	92.0	73.9[2]/	77.9	88.4	89.5
Other Converting 1/	592.7	560.2	520.3)				
Glassine, Grsprf and Veg. Parch. (Census)	259.0	233.9	201.7)	1,333.3[2]/	1,267.4[2]/	1,457.5[2]/	1,502.5[2]/
Special Industrial Papers (Census)	507.0	543.6	474.5)				
Total Tissue Papers	4,214.8	4,520.5	4,375.0	4,517.6	4,437.7	4,789.1	4,920.6
Total Sanitary Tissue Stock	4,017.4	4,324.5	4,221.1	4,366.9	4,289.4	4,611.6R	4,761.4
Toilet Tissue	1,643.2	1,742.4	1,651.5	1,714.1	1,748.2	1,835.2	1,851.6
Facial Tissue Stock	329.0	357.9	353.3	369.4	359.3	389.3	378.5
Napkin Stock	493.1	537.2	554.7	577.6	606.2	532.7	569.8
Towelling	1,317.6	1,404.0	1,376.4	1,415.3	1,334.1	1,574.6R	1,671.5R
Wiper Stock	44.8	58.8	58.1	77.5	50.8	86.4	(
Other Sanitary Tissue	189.6	224.2	227.1	213.1	190.8	193.4	(290.0
Total All Other Tissue	197.4	196.0	153.9	150.8	148.4	177.5R	159.2

1/ Excludes Bleached Kraft Envelope Paper 2/ API data R - Revised P - Preliminary

3/ 1983 and 1984 data may not be comparable to 1982, due to changes in procedures in calculating the total industry shipments.

NOTE (Census): Current Industrial Report, Pulp, Paper and Board

* Data overstated by about 10%, based on 1980 revision of 1979 data

N.A. - Not Available

TABLE III

PAPERBOARD PRODUCTION 1955-1984

BY END USE

TONS

YEAR	PAPERBOARD TOTAL	CONTAINERBOARD-DOMESTIC USE Total	Linerboard	Corrugating Material	Chip and Filler Boards
1955	14,043,700	7,244,200	4,789,600	2,165,400	289,200
1956	14,371,600	7,451,300	4,933,400	2,249,500	268,400
1957	14,181,900	7,337,200	4,869,700	2,215,600	251,900
1958	14,237,000	7,259,200	4,818,900	2,191,300	249,000
1959	15,972,000	8,232,000	5,475,400	2,498,800	257,800
1960	15,926,500	8,186,600	5,474,800	2,461,000	250,800
1961	16,727,300	8,661,300	5,753,900	2,649,300	258,100
1962	17,847,400	9,299,000	6,216,500	2,822,100	260,400
1963	18,593,600	9,638,300	6,414,000	2,961,800	262,500
1964	19,953,800	10,341,900	6,907,500	3,165,100	269,300
1965	21,331,500	11,199,100	7,480,600	3,438,200	280,300
1966	23,178,600	12,459,600	8,347,300	3,799,800	312,500
1967	22,819,300	12,248,600	8,215,600	3,743,500	289,500
1968	24,903,600	13,388,400	9,043,700	4,061,900	282,800
1969	26,375,700	14,396,400	9,692,500	4,395,400	308,600
1970	25,383,000	13,964,300	9,403,100	4,264,000	297,200
1971	26,037,000	14,353,000	9,530,800	4,519,700	302,500
1972	28,502,500	16,019,000	10,856,500	4,846,500	315,900
1973	29,571,500	16,928,100	11,355,900	5,255,000	317,100
1974	28,914,900	16,767,000	11,305,400	5,179,200	282,300
1975	24,755,700	14,586,200	9,854,200	4,449,300	282,600
1976	28,439,500	16,700,200	11,375,900	5,061,500	262,900
1977	28,953,100	17,167,300	11,695,700	5,207,900	263,700
1978	30,274,900	17,908,200	12,133,700	5,503,100	271,500
1979	31,428,900	18,824,800	12,819,500	5,775,900	229,300
1980	30,952,300	18,070,200	12,393,100	5,445,600	231,500
1981	31,232,200	19,040,000	13,078,500	5,702,100	259,500
1982	29,065,300	17,507,500	11,935,500	5,341,800	230,200
1983	32,176,700	19,173,000	13,124,700	5,838,100	210,200
1984	34,039,300	20,855,100	14,272,500	6,404,200	178,400

TABLE III (Cont.)

PAPERBOARD PRODUCTION 1955-1984

BY END USE

TONS

YEAR	BOXBOARD-DOMESTIC USE				ALL OTHER
	Total	Folding	Set-Up	Milk Carton & Food Service	Total
1955	4,407,400	2,938,800	636,700	831,900	2,392,100
1956	4,530,300	2,970,900	636,700	922,700	2,390,000
1957	4,513,400	3,020,800	568,200	924,400	2,331,300
1958	4,533,300	3,032,500	538,600	962,200	2,444,500
1959	4,911,400	3,285,900	576,100	1,049,400	2,828,600
1960	4,894,900	3,291,200	525,100	1,078,600	2,845,000
1961	5,007,500	3,374,800	496,800	1,135,900	3,058,500
1962	5,265,200	3,501,800	523,800	1,239,600	3,283,200
1963	5,417,200	3,635,800	526,800	1,254,600	3,538,100
1964	5,580,800	3,752,300	534,000	1,294,500	4,031,100
1965	5,811,200	3,879,600	547,300	1,384,300	4,321,200
1966	6,075,900	4,040,300	559,700	1,475,900	4,643,100
1967	5,973,100	4,020,700	496,100	1,456,300	4,597,600
1968	6,334,000	4,218,300	519,500	1,596,200	5,181,200
1969	6,424,800	4,261,600	498,600	1,664,600	5,554,500
1970	6,238,700	4,079,700	466,500	1,692,500	5,180,000
1971	6,233,600	4,139,400	447,900	1,646,300	5,450,400
1972	6,551,000	4,439,800	455,100	1,656,100	5,932,500
1973	6,764,300	4,704,500	465,300	1,594,500	5,879,200
1974	6,399,000	4,426,500	403,600	1,568,900	5,748,900
1975	5,663,800	3,896,400	304,500	1,462,900	4,505,700
1976	6,564,700	4,714,600	331,500	1,518,600	5,174,500
1977	6,332,200	4,546,700	302,500	1,483,100	5,453,500
1978	6,501,200	4,702,400	332,700	1,466,100	5,865,500
1979	6,469,200	4,720,500	306,000	1,442,700	6,135,000
1980	6,153,100	4,489,900	241,500	1,421,700	6,729,000
1981	6,216,100	4,587,600	236,000	1,392,500	5,976,100
1982	5,841,000	4,333,700	223,600	1,283,700	5,716,900
1983	6,261,000	4,646,000	256,300	1,358,800	6,742,700
1984	6,535,600	4,876,000	263,800	1,395,800	6,648,500

TABLE IV

CONTAINERBOARD PRODUCTION 1955-1984

FOR DOMESTIC USE

TONS

YEAR	CONTAINERBOARD TOTAL	LINERBOARD		
		Total	Kraft	Recycled
1955	7,244,200	4,789,600	3,947,400	842,200
1956	7,451,300	4,933,400	4,139,600	793,800
1957	7,337,200	4,869,700	4,097,900	771,800
1958	7,259,200	4,818,900	4,110,200	708,700
1959	8,232,000	5,475,400	4,701,000	774,400
1960	8,186,600	5,474,800	4,731,200	743,600
1961	8,661,300	5,753,900	5,095,700	658,200
1962	9,299,000	6,216,500	5,514,700	701,800
1963	9,638,300	6,414,000	5,706,100	707,900
1964	10,341,900	6,907,500	6,188,000	719,500
1965	11,199,100	7,480,600	6,698,100	782,500
1966	12,459,600	8,347,300	7,550,200	797,100
1967	12,248,600	8,215,600	7,693,300	522,300
1968	13,388,400	9,043,700	8,612,200	431,500
1969	14,396,400	9,692,500	9,345,300	347,200
1970	13,964,300	9,403,100	9,133,400	269,700
1971	14,353,000	9,530,800	9,249,100	281,700
1972	16,019,000	10,856,500	10,577,600	278,900
1973	16,928,100	11,355,900	11,066,900	289,100
1974	16,767,000	11,305,400	10,838,400	467,100
1975	14,586,200	9,854,200	9,646,900	207,300
1976	16,700,200	11,375,900	11,093,200	282,700
1977	17,167,300	11,695,700	11,354,400	341,400
1978	17,908,200	12,133,700	11,877,200	256,400
1979	18,824,800	12,819,500	12,417,300	402,300
1980	18,070,200	12,393,100	11,948,600	444,500
1981	19,040,000	13,078,500	12,754,300	324,200
1982	17,507,500	11,935,500	11,656,500	279,000
1983	19,173,000	13,124,700	12,835,600	289,100
1984	20,855,100	14,272,500	14,068,800	203,700

TABLE IV (Cont.)

CONTAINERBOARD PRODUCTION 1955-1984

FOR DOMESTIC USE

TONS

YEAR	CORRUGATING MATERIAL			CHIP & FILLER BOARDS
	Total	Semi-Chemical	Recycled	Total
1955	2,165,400	1,470,200	695,200	289,200
1956	2,249,500	1,551,700	697,800	268,400
1957	2,215,600	1,557,800	657,800	251,900
1958	2,191,300	1,486,200	705,100	249,000
1959	2,498,800	1,786,100	712,700	257,800
1960	2,461,000	1,788,900	672,100	250,800
1961	2,649,300	2,023,500	625,800	258,100
1962	2,822,100	2,188,800	633,300	260,400
1963	2,961,800	2,287,100	674,700	262,500
1964	3,165,100	2,447,400	717,700	269,300
1965	3,438,200	2,638,200	800,000	280,300
1966	3,799,800	2,909,800	890,000	312,500
1967	3,743,500	2,982,100	761,400	289,500
1968	4,061,900	3,371,200	690,700	282,800
1969	4,395,400	3,617,000	778,400	308,000
1970	4,264,000	3,404,700	859,300	297,200
1971	4,519,700	3,580,200	939,500	302,500
1972	4,846,500	3,874,200	972,300	315,900
1973	5,255,000	4,126,500	1,128,500	317,100
1974	5,179,200	4,010,300	1,169,000	282,300
1975	4,449,300	3,579,400	870,000	282,600
1976	5,061,500	3,986,500	1,075,100	262,900
1977	5,207,900	4,128,200	1,079,700	263,700
1978	5,503,100	4,305,300	1,197,800	271,500
1979	5,775,900	4,573,600	1,202,300	229,300
1980	5,445,600	4,398,500	1,047,100	231,500
1981	5,702,100	4,561,200	1,140,900	259,500
1982	5,341,800	4,202,500	1,139,300	230,200
1983	5,338,100	4,532,700	1,305,400	210,200
1984	6,404,300	5,018,900	1,385,400	178,400

TABLE V

BLEACHED PAPERBOARD PRODUCTION 1960 - 1984

(ON MACHINES PRIMARILY PRODUCING BLEACHED PACKAGING PAPERBOARD)

FOR PACKAGING AND NON-PACKAGING USES

TONS

YEAR	Milk Cartons	Folding Cartons	Heavyweight Cup, Rounded Nested Food Containers and Cup Lids	Plate Dish and Tray	Other Packaging Uses*	Linerboard
1960	571,000	745,200	287,400	123,700	136,200	76,000
1961	600,500	797,600	312,900	127,900	146,100	103,500
1962	678,500	865,100	324,400	148,400	139,200	124,200
1963	677,100	943,000	325,300	160,200	153,400	124,200
1964	692,000	988,800	329,200	178,800	182,300	101,100
1965	752,100	1,051,800	339,000	202,100	182,600	75,000
1966	783,200	1,100,700	367,200	232,100	200,400	100,300
1967	772,800	1,133,800	368,600	247,300	171,400	89,500
1968	848,800	1,234,100	412,000	258,900	195,100	104,900
1969	884,600	1,346,000	416,200	282,200	200,900	113,600
1970	940,700	1,265,900	386,900	287,200	221,600	102,800
1971	918,800	1,394,900	366,700	278,100	280,900	108,200
1972	894,400	1,575,700	395,600	315,900	308,700	117,200
1973	871,200	1,730,300	410,400	296,600	348,500	114,400
1974	850,200	1,678,700	415,800	289,800	382,700	92,700
1975	865,800	1,458,000	350,600	234,200	315,800	76,700
1976	822,900	1,799,500	412,300	266,800	402,200	91,400
1977	808,700	1,592,000	401,300	262,400	525,200	80,200
1978	731,200	1,763,400	418,500	307,100	594,900	109,500
1979**	718,700	1,713,600	432,000	274,100	686,900	110,900
1980	677,600	1,574,700	419,500	298,400	739,300	96,300
1981	631,800	1,655,000	441,600	287,400	738,700	100,600
1982	590,500	1,566,900	374,800	274,500	708,200	93,400
1983	606,900	1,724,600	426,400	281,100	700,300	115,000
1984	645,100	1,846,700	416,400	291,100	662,700	118,500

* - Includes Exports
** - Starting in 1979 lightweight cup is included with heavyweight cup.

TABLE V (Cont.)

BLEACHED PAPERBOARD PRODUCTION 1960 - 1984

(ON MACHINES PRIMARILY PRODUCING BLEACHED PACKAGING PAPERBOARD)

FOR PACKAGING AND NON-PACKAGING USES

TONS

	SUMMARY OF PACKAGING PAPERBOARD			NON-PKG. USES	BLEACHED PAPERBOARD PRODUCTION
YEAR	Total Packaging Paperboard	Milk Carton and Food Service	Balance of Packaging Uses	Total	TOTAL
1960	1,939,500	1,078,600	860,900	119,700	2,059,200
1961	2,088,500	1,135,900	952,600	151,500	2,240,000
1962	2,279,800	1,239,600	1,040,200	173,600	2,453,400
1963	2,383,200	1,254,600	1,128,600	181,800	2,565,000
1964	2,472,200	1,294,500	1,177,700	220,800	2,693,000
1965	2,602,600	1,384,300	1,218,300	244,400	2,847,000
1966	2,783,900	1,475,900	1,308,000	301,400	3,085,300
1967	2,783,400	1,456,300	1,327,100	273,800	3,057,200
1968	3,053,800	1,596,200	1,457,600	314,100	3,367,900
1969	3,243,500	1,664,600	1,578,900	316,400	3,559,900
1970	3,205,100	1,692,500	1,512,600	167,800	3,372,900
1971	3,347,600	1,646,300	1,701,300	60,500	3,408,100
1972	3,607,500	1,656,100	1,951,400	101,800	3,709,300
1973	3,771,400	1,594,500	2,176,900	81,500	3,852,900
1974	3,709,800	1,568,900	2,140,900	59,500	3,769,300
1975	3,301,000	1,462,900	1,838,200	40,300	3,341,400
1976	3,795,200	1,518,600	2,276,600	43,400	3,838,500
1977	3,669,700	1,483,100	2,186,600	47,300	3,717,000
1978	3,924,700	1,466,100	2,458,600	47,700	3,972,400
1979	3,936,200	1,442,700	2,493,500	61,900	3,998,100
1980	3,806,000	1,421,700	2,384,300	56,200	3,862,300
1981	3,855,100	1,392,500	2,462,600	54,800	3,909,900
1982	3,608,400	1,283,700	2,324,700	56,400	3,664,700
1983	3,854,300	1,358,800	2,495,500	71,600	3,925,800
1984	3,980,600	1,395,800	2,584,800	67,600	4,048,300

TABLE VI

PAPERBOARD PRODUCTION BY REGION

1965 - 1984

TONS

YEAR	PAPERBOARD TOTAL	CONTAINERBOARD-DOMESTIC Total	Linerboard	Corrugating Material	Container Chip & Filler Boards
NORTH EASTERN					
1965	2,874,700	710,800	192,700	481,100	37,000
1966	2,992,100	767,700	208,100	521,400	38,200
1967	2,810,100	695,200	121,500	539,000	34,700
1968	2,820,900	675,700	100,900	534,600	40,200
1969	2,769,600	687,000	83,000	569,200	34,800
1970	2,627,800	653,400	60,100	556,600	36,700
1971	2,525,300	634,800	54,400	551,100	29,300
1972	2,622,700	645,800	54,700	562,300	28,800
1973	2,733,800	725,300	56,900	615,300	53,100
1974	2,677,500	852,100	152,700	642,000	57,400
1975	2,052,000	536,400	35,200	445,400	55,800
1976	2,255,000	566,200	70,800	448,200	47,200
1977	2,247,100	562,800	70,800	446,600	45,500
1978	2,284,400	561,300	37,400	470,200	53,700
1979	2,259,800	564,200	61,400	456,700	46,100
1980	2,042,800	486,900	27,300	415,200	44,400
1981	1,867,700	369,900	-	328,500	41,400
1982	1,651,800	342,700	10,800	295,600	36,400
1983	1,891,100	380,300	45,600	317,800	16,900
1984	1,835,300	362,400	-	346,000	16,400
SOUTHERN					
1965	11,270,100	6,680,400	5,330,100	1,318,300	32,000
1966	12,379,900	7,362,500	5,852,500	1,468,800	41,200
1967	12,537,100	7,435,600	5,964,900	1,435,600	35,100
1968	14,081,800	8,313,400	6,740,600	1,538,200	34,600
1969	15,433,100	9,181,100	7,488,200	1,651,400	41,500
1970	15,078,400	8,961,400	7,306,700	1,618,400	36,300
1971	15,782,300	9,330,500	7,507,500	1,789,600	33,500
1972	17,484,000	10,671,200	8,658,700	1,988,000	24,500
1973	18,179,900	11,257,000	9,083,700	2,158,900	14,400
1974	17,878,400	11,006,800	8,883,300	2,111,000	12,400
1975	15,752,600	9,882,100	7,957,700	1,860,900	63,400
1976	18,121,100	11,400,600	9,178,200	2,181,400	41,100
1977	18,223,100	11,541,000	9,299,000	2,199,400	42,700
1978	19,540,200	12,268,700	9,890,100	2,331,500	47,100
1979	20,219,100	12,692,100	10,280,500	2,376,900	34,700
1980	20,192,200	12,119,900	9,897,500	2,196,400	26,000
1981	20,442,000	12,863,000	10,527,900	2,301,000	34,100
1982	19,242,700	11,872,500	9,682,400	2,157,400	32,700
1983	20,930,300	12,864,200	10,546,400	2,280,500	37,300
1984	22,275,100	14,143,500	11,536,900	2,568,100	38,500

NOTE: Exports are included in "All Other"
NOTE: Detail does not necessarily add to totals due to rounding.

TABLE VI (Cont.)

PAPERBOARD PRODUCTION BY REGION

1965 - 1984

TONS

YEAR	BOXBOARD-DOMESTIC Total	Folding	Set-Up	Milk Carton & Food Service	ALL OTHER Total
NORTH EASTERN					
1965	1,293,000	972,100	248,800	72,100	870,900
1966	1,302,900	989,600	246,000	67,300	921,500
1967	1,233,600	954,800	214,800	64,000	881,300
1968	1,274,200	991,100	220,900	62,200	871,000
1969	1,178,800	911,900	202,200	64,700	903,800
1970	1,108,100	851,100	194,100	62,900	866,300
1971	1,003,900	767,100	176,200	60,600	886,600
1972	1,020,900	788,400	181,300	51,100	956,100
1973	961,900	752,200	181,000	28,700	1,046,700
1974	861,600	679,800	154,200	27,600	963,800
1975	724,400	582,000	116,500	26,000	791,200
1976	841,000	690,800	120,900	29,400	847,900
1977	865,000	735,400	102,500	27,200	819,300
1978	861,000	723,300	112,700	25,000	862,100
1979	840,900	721,900	85,500	33,500	854,700
1980	787,800	680,400	72,300	35,100	768,000
1981	780,100	687,900	63,400	28,800	717,700
1982	678,000	593,300	59,400	25,400	631,000
1983	730,900	631,000	74,100	25,800	779,900
1984	710,100	614,200	71,200	24,700	762,800
SOUTHERN					
1965	2,428,400	1,216,200	122,300	1,089,900	2,161,300
1966	2,649,200	1,309,900	128,400	1,210,900	2,368,200
1967	2,666,500	1,385,000	114,100	1,167,400	2,435,000
1968	2,944,000	1,490,200	127,800	1,326,000	2,824,400
1969	3,163,200	1,634,600	122,600	1,406,000	3,088,800
1970	3,166,000	1,628,800	113,300	1,423,900	2,951,000
1971	3,320,500	1,784,600	105,300	1,430,600	3,131,200
1972	3,519,300	1,964,100	108,400	1,446,800	3,293,600
1973	3,776,400	2,244,400	118,000	1,414,000	3,146,500
1974	3,660,200	2,168,400	105,000	1,386,800	3,211,400
1975	3,352,700	2,000,100	89,500	1,263,000	2,517,800
1976	3,931,400	2,500,700	99,800	1,330,800	2,789,100
1977	3,700,600	2,316,700	96,700	1,287,300	2,981,400
1978	3,939,800	2,534,200	104,500	1,301,100	3,331,700
1979	3,974,000	2,592,700	104,500	1,276,800	3,553,000
1980	3,149,900	1,795,200	100,400	1,254,400	4,922,400
1981	3,201,000	1,863,000	105,300	1,232,700	4,378,100
1982	3,012,800	1,761,300	94,500	1,157,000	4,357,400
1983	3,264,500	1,957,900	98,800	1,207,800	4,801,600
1984	3,429,800	2,083,000	107,300	1,239,500	4,701,800

NOTE: Exports are included in "All Other"
NOTE: Detail does not necessarily add to totals due to rounding.
NOTE: For this Table unbleached kraft folding has been included in the "All Other" domestic data.

TABLE VI (Cont.)

PAPERBOARD PRODUCTION BY REGION

1965 - 1984

TONS

YEAR	PAPERBOARD TOTAL	CONTAINERBOARD - DOMESTIC			
		Total	Linerboard	Corrugating Material	Container Chip & Filler Boards
NORTH CENTRAL					
1965	4,031,600	1,796,600	408,700	1,203,800	184,100
1966	4,191,700	1,880,100	400,700	1,282,600	196,800
1967	3,928,600	1,677,600	252,600	1,240,100	184,900
1968	4,174,400	1,802,200	190,100	1,431,400	180,700
1969	4,272,100	1,916,600	160,200	1,539,300	217,200
1970	3,936,000	1,788,900	110,300	1,471,000	207,600
1971	4,041,100	1,854,000	101,800	1,534,100	218,100
1972	4,245,500	1,926,000	106,400	1,597,400	222,200
1973	4,360,400	2,031,900	111,000	1,697,300	223,600
1974	4,186,500	2,005,700	176,600	1,637,900	191,200
1975	3,367,200	1,655,400	63,900	1,448,600	142,900
1976	3,928,000	1,869,900	57,000	1,663,900	148,900
1977	4,091,700	2,010,300	117,200	1,734,300	158,800
1978	4,164,200	2,127,500	98,600	1,870,400	158,500
1979	4,352,900	2,334,900	165,800	2,029,300	139,800
1980	4,137,600	2,271,100	191,400	1,943,500	136,100
1981	4,288,300	2,417,000	143,300	2,124,800	148,800
1982	3,979,300	2,210,000	103,900	1,984,300	121,800
1983	4,396,700	2,413,300	60,800	2,227,000	125,500
1984	4,770,400	2,600,900	75,300	2,409,600	116,000
PACIFIC COAST					
1965	3,155,100	2,011,400	1,549,000	435,100	27,300
1966	3,614,900	2,449,300	1,886,000	527,100	36,300
1967	3,543,500	2,440,300	1,876,600	528,900	34,800
1968	3,826,500	2,597,100	2,012,000	557,800	27,300
1969	3,900,900	2,611,800	1,961,100	635,600	15,100
1970	3,740,800	2,560,600	1,926,000	618,000	16,600
1971	3,688,300	2,533,600	1,867,000	644,900	21,600
1972	4,150,200	2,776,000	2,036,800	698,800	40,400
1973	4,297,500	2,914,000	2,104,400	783,500	16,100
1974	4,172,500	2,902,400	2,092,900	788,300	21,200
1975	3,583,900	2,512,300	1,797,400	694,400	20,500
1976	4,135,300	2,863,500	2,069,900	768,000	25,600
1977	4,391,300	3,053,100	2,208,800	827,600	16,800
1978	4,286,200	2,950,800	2,107,500	831,000	12,300
1979	4,597,200	3,233,600	2,311,800	913,000	8,800
1980	4,579,700	3,192,300	2,276,800	890,500	25,000
1981	4,634,300	3,390,200	2,407,300	947,800	35,100
1982	4,191,700	3,082,400	2,138,500	904,600	39,300
1983	4,958,600	3,515,100	2,471,800	1,012,800	30,500
1984	5,158,300	3,748,200	2,660,300	1,080,506	7,400

NOTE: Exports are included in "All Other"
NOTE: Detail does not necessarily add to totals due to rounding.

TABLE VI (Cont.)

PAPERBOARD PRODUCTION BY REGION

1965 - 1984

TONS

YEAR	BOXBOARD-DOMESTIC				ALL OTHER
	Total	Folding	Set-Up	Milk Carton & Food Service	Total
NORTH CENTRAL					
1965	1,517,300	1,288,600	150,000	78,700	717,700
1966	1,541,900	1,316,300	160,300	65,300	769,700
1967	1,489,300	1,288,300	140,800	60,200	761,700
1968	1,489,100	1,295,100	150,200	43,800	883,100
1969	1,458,000	1,279,300	154,100	24,600	897,500
1970	1,338,300	1,194,300	133,500	10,500	808,800
1971	1,345,500	1,195,800	140,900	8,800	841,600
1972	1,396,300	1,246,000	141,800	8,500	923,200
1973	1,379,400	1,236,300	142,700	400	949,200
1974	1,262,300	1,137,600	124,600	100	918,500
1975	1,018,400	937,200	80,600	600	693,400
1976	1,177,900	1,089,800	88,000	100	880,200
1977	1,165,200	1,077,500	87,700	-	916,200
1978	1,123,900	1,031,800	92,100	-	912,800
1979	1,105,500	1,009,700	95,800	-	912,500
1980	1,030,600	978,200	52,500	-	835,900
1981	1,062,300	1,011,800	50,500	-	809,000
1982	1,035,100	984,200	50,900	-	734,200
1983	1,112,100	1,049,800	62,300	-	871,300
1984	1,176,000	1,104,900	71,100	-	993,500
PACIFIC COAST					
1965	572,600	402,800	26,200	143,600	571,100
1966	582,000	424,500	25,000	132,500	583,600
1967	583,600	392,600	26,300	164,700	519,600
1968	626,800	442,000	20,600	164,200	602,600
1969	624,800	435,800	19,700	169,300	664,300
1970	626,200	405,400	25,500	195,300	554,000
1971	563,700	391,900	25,400	146,400	591,000
1972	614,700	441,300	23,600	149,800	759,600
1973	646,600	471,600	23,600	151,400	736,900
1974	615,000	440,800	19,900	154,300	655,100
1975	568,300	377,200	17,800	173,300	503,300
1976	614,500	433,300	22,800	158,400	657,300
1977	601,400	417,100	15,700	168,600	736,800
1978	576,500	413,100	23,400	140,000	759,000
1979	548,800	396,200	20,200	132,400	814,800
1980	504,400	355,700	16,400	132,300	883,000
1981	500,900	353,100	16,700	131,100	743,100
1982	424,500	304,400	18,800	101,300	684,800
1983	443,500	297,200	21,100	125,200	1,000,000
1984	467,300	321,500	14,200	131,600	942,800

NOTE: Exports are included in "All Other"
NOTE: Detail does not necessarily add to totals due to rounding
NOTE: For this Table unbleached kraft folding has been included in the "All Other" domestic data.

TABLE VII

PAPERBOARD PRODUCTION

BY GRADE AND TYPE 1968 - 1984

TONS

YEAR	CONTAINERBOARD - DOMESTIC				BOXBOARD - DOMESTIC		
	Total	Linerboard	Corrugating Material	Container Chip & Filler Board	Total	Folding	Set-Up
Total Paperboard							
1968	13,388,400	9,043,700	4,061,900	282,800	6,334,000	4,218,300	519,500
1969	14,396,500	9,692,500	4,395,400	308,600	6,424,800	4,261,600	498,600
1970	13,964,300	9,403,100	4,264,000	297,200	6,238,700	4,079,700	466,500
1971	14,353,000	9,530,800	4,519,700	302,500	6,233,600	4,139,400	447,900
1972	16,018,900	10,856,500	4,846,500	315,900	6,551,000	4,439,800	455,100
1973	16,928,100	11,355,900	5,255,000	317,100	6,764,300	4,704,500	465,300
1974	16,767,000	11,305,400	5,179,200	282,300	6,399,000	4,426,500	403,600
1975	14,586,200	9,854,200	4,449,300	282,600	5,663,800	3,896,400	304,500
1976	16,700,200	11,375,900	5,061,500	262,900	6,564,700	4,714,600	331,500
1977	17,167,300	11,695,700	5,207,900	263,700	6,332,200	4,546,700	302,500
1978	17,908,200	12,133,700	5,503,100	271,500	6,501,200	4,702,400	332,700
1979	18,824,800	12,819,600	5,775,900	229,300	6,469,200	4,720,500	306,000
1980	18,070,200	12,393,100	5,445,600	231,500	6,153,100	4,489,900	241,500
1981	19,040,000	13,078,500	5,702,100	259,500	6,216,100	4,587,600	236,000
1982	17,507,600	11,935,500	5,341,800	230,200	5,841,000	4,333,700	223,600
1983	19,173,000	13,124,700	5,838,100	210,200	6,261,000	4,646,000	256,300
1984	20,855,100	14,272,500	6,404,200	178,400	6,535,600	4,876,000	263,800
Unbleached Kraft							
1968	8,535,500	8,511,400	7,400	16,700	261,000	261,000	-
1969	9,242,100	9,210,700	8,100	23,300	287,200	287,200	-
1970	9,043,900	9,014,600	3,800	25,500	343,400	343,400	-
1971	9,155,300	9,124,700	1,100	29,500	339,600	339,600	-
1972	10,469,900	10,447,800	-	22,100	389,700	389,700	-
1973	10,951,600	10,939,100	2,300	10,200	454,800	454,800	-
1974	10,754,200	10,739,000	3,800	11,500	469,700	469,700	-
1975	9,586,000	9,565,200	8,700	12,100	463,000	463,000	-
1976	11,023,900	10,993,700	20,200	10,100	577,500	577,500	-
1977	11,283,000	11,269,400	-	13,600	588,000	588,000	-
1978	11,779,700	11,761,600	-	18,100	617,600	617,600	-
1979	12,306,400	12,306,400	-	-	698,400	698,400	-
1980	11,852,300	11,852,300	-	-	680,400	680,400	-
1981	12,653,700	12,653,700	-	-	671,900	671,900	-
1982	11,563,100	11,563,100	-	-	690,600	690,600	-
1983	12,720,600	12,720,600	-	-	710,100	710,100	
1984	13,950,300	13,950,300	-	-	752,400	752,400	-
Semichemical							
1968	3,366,600	-	3,363,800	2,800	-	-	-
1969	3,611,100	-	3,608,900	2,200	-	-	-
1970	3,400,900	-	3,400,900	-	-	-	-
1971	3,579,100	-	3,579,100	-	-	-	-
1972	3,874,200	-	3,874,200	-	-	-	-
1973	4,124,300	-	4,124,300	-	-	-	-
1974	4,006,500	-	4,006,500	-	-	-	-
1975	3,570,600	-	3,570,600	-	-	-	-
1976	3,966,300	-	3,966,300	-	-	-	-
1977	4,128,200	-	4,128,200	-	-	-	-
1978	4,305,300	-	4,305,300	-	-	-	-
1979	4,573,600	-	4,573,600	-	-	-	-
1980	4,398,500	-	4,398,500	-	-	-	-
1981	4,561,200	-	4,561,200	-	-	-	-
1982	4,202,500	-	4,202,500	-	-	-	-
1983	4,532,700	-	4,532,700	-	-	-	-
1984	5,018,900	-	5,018,900	-	-	-	-

NOTE: Details do not necessarily add to total due to rounding.
- Represents zero

TABLE VII (Cont.)

PAPERBOARD PRODUCTION

BY GRADE AND TYPE 1968 - 1984

TONS

YEAR	BOXBOARD (Cont.) Milk Carton & Food Service	ALL OTHER (Exc. Exports) TOTAL	Gypsum Wallboard Facings	Tube, Can and Drum	Balance of All Other	EXPORTS Total	ALL GRADES Total
Total Paperboard							
1968	1,596,200	3,585,200	784,000	779,900	2,021,300	1,596,000	24,903,600
1969	1,664,600	3,694,400	822,600	860,500	2,011,300	1,860,100	26,375,700
1970	1,692,500	3,280,700	775,700	887,300	1,617,700	1,899,400	25,383,000
1971	1,646,300	3,335,000	935,700	925,700	1,473,500	2,115,400	26,037,000
1972	1,656,100	3,701,100	1,016,600	1,065,500	1,619,000	2,231,400	28,502,500
1973	1,594,900	3,864,900	1,050,300	1,145,400	1,668,200	2,015,200	29,571,400
1974	1,568,900	3,599,400	984,200	1,128,500	1,486,800	2,149,500	28,914,900
1975	1,462,900	3,052,200	893,800	907,500	1,250,900	1,453,500	24,755,700
1976	1,518,600	3,465,300	984,500	1,016,500	1,464,300	1,709,200	28,439,500
1977	1,483,100	3,623,100	1,056,800	1,075,900	1,490,400	1,830,500	28,953,100
1978	1,466,100	3,825,500	1,094,000	1,163,000	1,568,500	2,040,000	30,274,900
1979	1,442,700	3,873,000	1,179,900	1,177,200	1,515,900	2,262,000	31,428,900
1980	1,421,700	3,394,800	918,800	1,077,600	1,398,400	3,334,100	30,952,300
1981	1,392,500	3,354,000	887,600	1,114,600	1,351,700	2,622,000	31,232,200
1982	1,283,700	3,063,000	805,200	1,046,200	1,211,700	2,653,800	29,065,300
1983	1,358,800	3,730,600	1,053,800	1,210,800	1,466,000	3,012,100	32,176,700
1984	1,395,800	3,917,200	1,125,200	1,254,900	1,537,100	2,731,300	34,039,300
Unbleached Kraft							
1968	-	584,600	-	175,400	409,200	1,380,700	10,761,800
1969	-	604,200	-	187,300	416,900	1,682,800	11,816,300
1970	-	470,400	-	175,400	295,000	1,683,400	11,541,100
1971	-	470,900	-	194,500	276,400	1,834,300	11,800,100
1972	-	521,500	-	223,200	298,300	1,887,500	13,268,700
1973	-	559,300	-	226,200	333,100	1,596,700	13,562,500
1974	-	526,300	-	231,000	295,200	1,582,700	13,332,900
1975	-	435,900	-	175,900	260,000	1,058,000	11,542,800
1976	-	483,500	-	217,500	266,000	1,247,300	13,332,200
1977	-	490,300	-	227,800	262,500	1,289,600	13,650,800
1978	-	508,900	-	250,600	258,300	1,466,300	14,372,500
1979	-	500,800	-	267,000	233,800	1,645,300	15,151,000
1980	-	382,800	-	226,400	156,400	2,379,800	15,295,200
1981	-	390,200	-	219,300	170,900	1,886,600	15,602,400
1982	-	349,700	-	192,900	156,800	1,931,400	14,534,800
1983	-	416,000	-	204,300	206,600	2,280,700	16,122,300
1984	-	396,300	-	191,600	204,700	2,086,400	17,185,400
Semichemical							
1968	-	14,400	-	12,300	2,100	94,000	3,475,000
1969	-	33,000	-	13,500	19,500	52,400	3,696,500
1970	-	33,200	-	23,700	9,500	84,300	3,518,400
1971	-	16,900	-	14,100	2,800	104,000	3,700,000
1972	-	23,600	-	17,700	5,900	111,700	4,009,600
1973	-	28,600	-	18,300	10,300	107,400	4,260,300
1974	-	23,300	-	17,400	6,000	145,500	4,175,400
1975	-	15,900	-	14,000	1,900	115,400	3,701,800
1976	-	19,300	-	18,100	1,200	119,300	4,105,000
1977	-	14,300	-	14,300	-	121,900	4,264,400
1978	-	14,800	-	14,600	200	119,200	4,439,300
1979	-	17,400	-	10,800	6,600	98,200	4,689,100
1980	-	2,700	-	2,400	300	322,300	4,723,500
1981	-	2,700	-	2,600	100	155,200	4,719,200
1982	-	1,800	-	1,300	500	184,900	4,389,300
1983	-	5,100	-	-	5,100	192,600	4,730,400
1984	-	1,000	-	-	1,000	149,200	5,169,000

NOTE: Details do not necessarily add to total due to rounding.
- Represents zero.

TABLE VII (Cont.)

PAPERBOARD PRODUCTION

BY GRADE AND TYPE 1968 - 1984

TONS

YEAR	CONTAINERBOARD - DOMESTIC				BOXBOARD - DOMESTIC		
	Total	Linerboard	Corrugating Material	Container Chip & Filler Board	Total	Folding	Set-Up
Solid Bleached							
1968	125,000	125,000	-	-	2,773,900	1,226,900	-
1969	134,700	134,700	-	-	2,970,300	1,345,900	-
1970	118,800	118,800	-	-	2,912,300	1,263,300	-
1971	124,400	124,400	-	-	2,996,400	1,392,100	-
1972	129,800	129,800	-	-	3,196,300	1,572,800	-
1973	127,700	127,700	-	-	3,322,600	1,728,200	-
1974	99,400	99,400	-	-	3,244,600	1,675,900	-
1975	81,800	81,800	-	-	2,917,700	1,455,600	-
1976	99,500	99,500	-	-	3,315,700	1,797,200	-
1977	85,000	85,000	-	-	3,074,500	1,591,500	
1978	115,700	115,700	-	-	3,229,500	1,763,400	-
1979	110,900	110,900	-	-	3,156,200	1,713,600	-
1980	96,300	96,300	-	-	2,996,400	1,574,700	-
1981	100,600	100,600	-	-	3,047,500	1,655,000	-
1982	93,400	93,400	-	-	2,850,600	1,566,900	-
1983	115,000	115,000	-	-	3,083,400	1,724,600	
1984	118,500	118,500	-	-	3,242,400	1,846,700	-
Recycled							
1968	1,361,300	407,300	690,700	263,300	3,299,100	2,730,400	519,500
1969	1,408,600	347,100	778,400	283,100	3,167,300	2,628,500	498,600
1970	1,400,700	269,700	859,300	271,800	2,983,000	2,473,000	466,500
1971	1,494,100	281,700	939,500	272,900	2,897,700	2,407,700	447,900
1972	1,545,000	278,900	972,300	293,800	2,964,900	2,477,200	455,100
1973	1,724,500	289,100	1,128,500	306,900	2,987,000	2,521,600	465,300
1974	1,906,800	467,100	1,169,000	270,800	2,684,800	2,280,900	403,600
1975	1,347,700	207,300	870,000	270,400	2,283,200	1,977,900	304,500
1976	1,610,500	282,700	1,075,100	252,800	2,671,600	2,340,000	331,500
1977	1,671,100	341,400	1,079,700	250,100	2,669,700	2,367,200	302,500
1978	1,707,600	256,400	1,197,800	253,400	2,654,100	2,321,400	332,700
1979	1,833,900	402,300	1,202,300	229,300	2,614,500	2,308,500	306,000
1980	1,723,100	444,500	1,047,100	231,500	2,476,300	2,234,800	241,500
1981	1,724,500	324,200	1,140,800	259,500	2,496,800	2,260,800	236,000
1982	1,648,500	279,000	1,139,300	230,200	2,299,800	2,076,200	223,600
1983	1,804,700	289,100	1,305,400	210,200	2,467,600	2,211,300	256,300
1984	1,767,500	203,700	1,385,400	178,400	2,540,700	2,276,900	263,800

NOTE: Details do not necessarily add to total due to rounding.
- Represents zero

TABLE VII (Cont.)

PAPERBOARD PRODUCTION

BY GRADE AND TYPE 1968 - 1984

TONS

YEAR	BOXBOARD (Cont.) Milk Carton & Food Service	ALL OTHER (Exc. Exports) TOTAL	Gypsum Wallboard Facings	Tube, Can and Drum	Balance of All Other	EXPORTS Total	ALL GRADES TOTAL
Solid Bleached							
1968	1,547,000	316,400	-	7,800	308,600	108,500	3,323,800
1969	1,624,400	327,700	-	8,300	319,400	108,100	3,540,800
1970	1,649,000	197,400	-	-	197,400	114,400	3,342,900
1971	1,604,300	104,000	-	-	104,000	156,500	3,381,300
1972	1,623,500	142,500	-	-	142,500	217,800	3,686,400
1973	1,594,400	133,500	-	-	133,500	280,300	3,864,000
1974	1,568,700	108,900	-	-	108,900	320,200	3,773,100
1975	1,462,100	87,500	-	-	87,500	256,200	3,343,300
1976	1,518,500	122,900	-	-	122,900	306,100	3,844,100
1977	1,483,100	172,400	-	-	172,400	389,400	3,721,300
1978	1,466,100	200,500	-	-	200,500	432,900	3,978,600
1979	1,442,700	234,300	-	-	234,300	496,700	3,998,100
1980	1,421,700	220,100	-	-	220,100	549,400	3,862,300
1981	1,392,500	205,300	-	-	205,300	556,600	3,909,900
1982	1,283,700	196,000	-	-	196,000	524,700	3,664,700
1983	1,358,800	213,000	-	-	213,000	514,500	3,925,800
1984	1,395,800	209,000	-	-	209,000	478,300	4,048,300
Recycled							
1968	49,200	2,669,800	784,000	584,400	1,301,400	12,800	7,343,000
1969	40,200	2,729,500	822,600	651,400	1,255,500	16,800	7,322,300
1970	43,500	2,579,600	775,700	688,200	1,115,800	17,300	6,980,500
1971	42,100	2,743,100	935,700	717,100	1,090,300	20,600	7,155,500
1972	32,600	3,013,400	1,016,600	824,600	1,172,200	14,400	7,537,800
1973	100	3,142,500	1,050,300	900,900	1,191,300	30,800	7,884,600
1974	200	2,941,000	984,200	880,100	1,076,700	101,000	7,633,500
1975	800	2,512,900	893,800	717,600	901,500	23,900	6,167,700
1976	100	2,839,600	984,500	780,900	1,074,200	36,500	7,158,100
1977	-	2,946,100	1,056,800	833,700	1,055,500	29,600	7,316,500
1978	-	3,101,400	1,094,000	897,900	1,109,500	21,600	7,484,500
1979	-	3,120,500	1,179,900	899,400	1,041,220	21,800	7,590,700
1980	-	2,789,300	918,800	848,900	1,021,600	82,600	7,071,300
1981	-	2,755,700	887,600	892,700	975,300	23,800	7,000,700
1982	-	2,515,400	805,200	852,000	858,300	12,700	6,476,500
1983	-	3,101,600	1,053,800	1,006,500	1,041,300	24,300	7,398,200
1984	-	3,310,800	1,125,200	1,063,300	1,122,300	17,400	7,636,500

NOTE: Details do not necessarily add to total due to rounding.
- Represents zero.

TABLE VIII

PAPERBOARD PRODUCTION

BY MONTHS

1984

TONS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Containerboard-Domestic Use	1,697,300	1,705,200	1,812,100	1,731,100	1,804,900	1,795,900
Linerboard	1,137,000	1,177,600	1,233,800	1,186,300	1,243,500	1,225,800
Kraft	1,118,000	1,158,900	1,211,100	1,164,000	1,222,500	1,204,900
Recycled	19,000	18,700	22,700	22,300	21,000	20,900
Corrugating	544,000	509,900	562,900	530,700	545,500	555,400
Semichemical	419,100	396,400	442,600	413,500	424,100	432,500
Recycled	124,900	113,500	120,300	117,200	121,400	122,900
Container Chip	16,300	18,300	15,400	14,100	15,900	14,700
Boxboard-Domestic Use	473,900	481,500	517,700	490,700	490,700	472,100
Folding	340,900	343,500	365,100	345,100	341,800	335,900
Set-Up	21,400	19,500	22,800	23,800	23,800	21,300
Milk Carton & Food Service	111,600	118,500	129,800	121,800	125,100	114,900
All Other	611,200	611,500	680,700	645,200	686,900	658,100
Domestic	395,400	387,900	419,500	408,200	435,100	414,000
Export	215,800	223,600	261,200	237,000	251,800	244,100
TOTAL PAPERBOARD	2,782,400	2,798,900	3,010,500	2,867,000	2,982,300	2,926,200

NOTE: Totals do not add due to rounding.
NOTE: For this table unbleached kraft folding has been included in the "All Other" domestic data.

TABLE IX

BOX PLANT CONSUMPTION

BY MONTHS

1984

TONS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
Linerboard and Corrugating Material	1,651,600	1,608,700	1,706,400	1,616,700	1,682,700	1,617,600
Total Containerboard	1,654,600	1,614,000	1,709,900	1,619,300	1,687,800	1,621,100

SOURCE: Box Plant Consumption - Fibre Box Association

TABLE VIII (Cont.)

PAPERBOARD PRODUCTION

BY MONTHS

1984

TONS

	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Containerboard-Domestic	1,688,400	1,783,300	1,756,900	1,800,000	1,737,000	1,542,400	20,855,100
Linerboard	1,132,700	1,211,900	1,214,200	1,238,200	1,218,100	1,053,400	14,272,500
Kraft	1,113,400	1,204,600	1,203,200	1,227,600	1,205,000	1,035,600	14,068,800
Recycled	19,300	7,300	11,000	10,600	13,100	17,800	203,700
Corrugating	538,700	555,500	529,600	546,800	507,200	477,900	6,404,300
Semichemical	427,200	433,600	421,200	430,100	396,200	382,300	5,018,900
Recycled	111,500	121,900	108,400	116,700	111,000	95,600	1,385,400
Container Chip	17,000	15,900	13,100	15,000	11,700	11,100	178,400
Boxboard-Domestic	468,800	499,900	478,700	509,900	476,400	422,900	5,783,200
Folding	331,200	358,100	345,800	369,000	342,500	304,800	4,123,600
Set-Up	20,900	25,800	23,800	22,900	20,800	16,900	263,800
Milk Carton & Food Service	116,700	116,000	109,100	118,000	113,100	101,200	1,395,800
All Other	610,700	654,000	608,400	579,600	530,900	523,700	7,401,100
Domestic	379,300	375,500	368,900	391,600	362,000	332,200	4,669,800
Export	231,400	278,500	239,500	188,000	168,900	191,500	2,731,300
TOTAL PAPERBOARD	2,768,100	2,937,300	2,844,100	2,889,400	2,744,300	2,488,800	34,039,200

NOTE: Totals do not add due to rounding.
NOTE: For this table unbleached kraft folding has been included in the "All Other" domestic data.

TABLE IX (Cont.)

BOX PLANT CONSUMPTION

BY MONTHS

1984

TONS

	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
Linerboard and Corrugating Material	1,602,200	1,731,300	1,560,500	1,877,600	1,547,200	1,435,200	19,637,400
Total Containerboard	1,603,100	1,733,100	1,562,200	1,880,600	1,549,100	1,437,900	19,672,700

SOURCE: Box Plant Consumption - Fibre Box Association

TABLE X

PAPER AND PAPERBOARD

PRODUCTION, NEW SUPPLY AND NEW SUPPLY/REAL G.N.P.

1959-1984

000 Short Tons	1959	1960	1961	1962	1963	1964
Production - Total	33,748	33,904	35,178	37,062	38,647	40,962
Total Paper	15,025	15,295	15,821	16,560	17,320	18,112
Total Paperboard	15,972	15,926	16,727	17,847	18,594	19,954
Unbleached Kraft E	5,214	5,342	5,814	6,316	6,750	7,600
Semichemical E	1,774	1,791	2,017	2,198	2,304	2,481
Bleached Kraft E *	2,000	2,039	2,218	2,429	2,539	2,666
Recycled E	6,984	6,754	6,678	6,905	7,001	7,207
Wet Machine Board	145	175	155	146	141	148
Building Paper	1,435	1,410	1,391	1,429	1,453	1,533
Insulating Board	1,171	1,098	1,084	1,080	1,139	1,215
New Supply						
Total Paper	20,120	20,490	20,928	21,781	22,475	23,748
Newsprint	7,118	7,329	7,294	7,460	7,498	8,051
Printing/Writing Papers	6,863	7,077	7,329	7,772	8,153	8,655
Uncoated Groundwood	933	960	933	942	990	1,053
Coated	1,967	2,096	2,138	2,266	2,398	2,572
Uncoated Free Sheet	3,051	3,076	3,239	3,431	3,609	3,824
Thin and Cotton Fiber	244	251	260	290	287	301
Bleached Bristols	668	694	759	843	869	905
Packaging and Ind. Conv. Papers	4,023	3,893	3,997	4,143	4,258	4,316
Unbleached Kraft	2,796	2,730	2,767	2,889	3,024	3,038
Other	1,227	1,163	1,230	1,254	1,234	1,278
Tissue	2,116	2,191	2,305	2,406	2,566	2,725
Total Paperboard	15,604	15,475	16,201	17,312	17,941	18,976
Unbleached Kraft	4,902	4,970	5,417	5,890	6,254	6,843
Semichemical	1,753	1,760	1,955	2,154	2,221	2,374
Bleached Board	1,983	2,016	2,186	2,396	2,500	2,621
Recycled	6,966	6,729	6,643	6,872	6,966	7,138
Construction and Other	2,752	2,675	2,610	2,644	2,733	2,917
Total All Grades	38,476	38,640	39,739	41,737	43,149	45,641
Paper and Products	20,072	20,441	20,953	21,794	22,438	23,689
Paperboard and Products	15,534	15,401	16,083	17,178	17,810	18,871
Total Including Products	38,358	38,517	39,646	41,616	42,981	45,477
Real G.N.P. - $ Bil., 1972 Prices Revised Series	**721.7**	**737.2**	**756.6**	**800.3**	**832.5**	**876.4**
New Supply to Real G.N.P - Revised						
Total Paper	27.879	27.794	27.661	27.216	26.997	27.097
Newsprint	9.863	9.942	9.640	9.322	9.007	9.186
Printing/Writing Papers	9.509	9.600	9.687	9.711	9.793	9.876
Uncoated Groundwood	1.293	1.302	1.233	1.177	1.189	1.201
Coated	2.726	2.843	2.826	2.832	2.881	2.934
Uncoated Free Sheet	4.228	4.173	4.281	4.287	4.335	4.364
Thin and Cotton Fiber	.338	.340	.344	.362	.345	.343
Bleached Bristols	.926	.941	1.003	1.053	1.044	1.032
Packaging and Ind. Conv. Papers	5.574	5.281	5.283	5.177	5.114	4.924
Unbleached Kraft	3.874	3.703	3.657	3.610	3.632	3.466
Other	1.700	1.578	1.626	1.567	1.482	1.458
Tissue	2.932	2.972	3.047	3.006	3.082	3.109
Total Paperboard	21.621	20.992	21.413	21.632	21.551	21.652
Unbleached Kraft	6.792	6.742	7.160	7.360	7.512	7.808
Semichemical	2.429	2.387	2.584	2.691	2.668	2.709
Bleached Board	2.748	2.735	2.889	2.994	3.003	2.991
Recycled	9.652	9.128	8.780	8.587	8.368	8.145
Construction and Other	3.813	3.629	3.450	3.304	3.283	3.328
Total All Grades	53.313	52.415	52.523	52.152	51.831	52.078
Paper and Products	27.812	27.727	27.694	27.232	26.953	27.030
Paperboard and Products	21.524	20.891	21.257	21.464	21.393	21.532
Total Including Products	53.150	52.248	52.400	52.000	51.629	51.891

* - About 5% of this total is bleached bristols that may also be included in total paper.

NOTE: The new supply data in this table are based upon the shipments data shown in Table I and in part, on the import-export data as reported by the Bureau of the Census and published in the current and earlier issues of the Statistics of Paper and Paperboard. Imports of newsprint, uncoated groundwood paper, coated paper and uncoated free sheet paper have been adjusted to reflect Canadian data on shipments of the grades to the United States. New supply of paper and products and paperboard and products was calculated using the Census import and export totals for all grades. See Tables XXXIV and XXXV for the adjusted import and export data used. E - Estimate

TABLE X (Cont.)

PAPER AND PAPERBOARD

PRODUCTION, NEW SUPPLY AND NEW SUPPLY/REAL G.N.P.

1959-1984

000 Short Tons	1965	1966	1967	1968	1969	1970
Production - Total	43,455	46,702	46,568	50,134	52,912	51,670
Total Paper	19,157	20,725	20,926	22,168	23,435	23,336
Total Paperboard	21,332	23,179	22,819	24,904	26,376	25,383
Unbleached Kraft	8,301E	9,303E	9,485E	10,762	11,816	11,541
Semichemical	2,681E	2,969E	3,057E	3,475	3,697	3,518
Bleached Kraft	2,818E*	3,053E*	3,060E*	3,324	3,541	3,343
Recycled	7,532E	7,853E	7,217E	7,343	7,322	6,981
Wet Machine Board	144	148	144	155	148	139
Building Paper	1,574	1,495	1,503	1,574	1,603	1,594
Insulating Board	1,248	1,155	1,176	1,333	1,352	1,219
New Supply						
Total Paper	25,197	27,323	27,231	28,263	29,959	29,633
Newsprint	8,510	9,268	9,165	9,307	9,959	9,797
Printing/Writing Papers	9,348	10,362	10,208	10,518	11,236	11,033
Uncoated Groundwood	1,069	1,217	1,163	1,219	1,306	1,310
Coated	2,767	3,039	3,041	3,045	3,240	3,167
Uncoated Free Sheet	4,198	4,676	4,584	4,799	5,195	5,132
Thin and Cotton Fiber	314	351	345	351	371	353
Bleached Bristols	1,000	1,079	1,077	-1,104	1,124	1,071
Packaging and Ind. Conv. Papers	4,473	4,610	4,645	5,003	5,173	5,105
Unbleached Kraft	3,150	3,269	3,233	3,494	3,602	3,582
Other	1,323	1,341	1,412	1,509	1,571	1,523
Tissue	2,866	3,083	3,212	3,435	3,591	3,698
Total Paperboard	20,301	22,063	21,498	23,325	24,526	23,495
Unbleached Kraft	7,401	8,332	8,317	9,388	10,135	9,858
Semichemical	2,626	2,905	2,981	3,381	3,645	3,434
Bleached Board	2,771	2,994	2,999	3,216	3,432	3,229
Recycled	7,503	7,832	7,201	7,340	7,314	6,974
Construction and Other	2,972	2,789	2,825	3,073	3,105	2,972
Total All Grades	48,470	52,175	51,554	54,661	57,590	56,100
Paper and Products	25,130	27,386	27,238	28,303	30,002	29,764
Paperboard and Products	20,168	21,940	21,369	22,975	24,314	23,232
Total including Products	48,270	52,115	51,432	54,351	57,421	55,968
Real G.N.P.- $ Bil., 1972 Prices	929.3	984.8	1,011.4	1,058.1	1,087.6	1,085.6
Revised Series						
Ratio of New Supply to Real GNP - Revised						
Total Paper	27.114	27.745	26.924	26.711	27.546	27.296
Newsprint	9.157	9.411	9.062	8.796	9.157	9.025
Printing/Writing Papers	10.058	10.522	10.095	9.940	10.331	10.163
Uncoated Groundwood	1.150	1.236	1.150	1.152	1.201	1.207
Coated	2.977	3.086	3.007	2.878	2.979	2.917
Uncoated Free Sheet	4.517	4.748	4.533	4.536	4.777	4.727
Thin and Cotton Fiber	.338	.356	.341	.332	.341	.325
Bleached Bristols	1.076	1.096	1.064	1.043	1.033	.987
Packaging and Ind. Conv. Papers	4.814	4.681	4.593	4.728	4.756	4.703
Unbleached Kraft	3.390	3.319	3.197	3.302	3.312	3.300
Other	1.424	1.362	1.396	1.426	1.444	1.403
Tissue	3.084	3.131	3.176	3.246	3.302	3.406
Total Paperboard	21.846	22.404	21.255	22.044	22.551	21.641
Unbleached Kraft	7.964	8.461	8.223	8.873	9.319	9.081
Semichemical	2.826	2.950	2.947	3.195	3.351	3.163
Bleached Board	2.982	3.040	2.965	3.039	3.156	2.973
Recycled	8.074	7.953	7.120	6.937	6.725	6.424
Construction and Other	3.198	2.832	2.793	2.904	2.855	2.738
Total All Grades	52.158	52.980	50.973	51.660	52.951	51.676
Paper and Products	27.042	27.809	26.931	26.749	27.587	27.417
Paperboard and Products	21.702	22.279	21.128	21.713	22.356	21.400
Total Including Products	51.942	52.919	50.852	51.367	52.796	51.554

* - About 5% of this total is bleached bristols that may also be included in total paper
E - Estimate

TABLE X (Cont.)

PAPER AND PAPERBOARD

PRODUCTION, NEW SUPPLY AND NEW SUPPLY/REAL G.N.P.

1959-1984

000 Short Tons	1971	1972	1973	1974	1975	197E	1977
Production - Total	53,162	57,434	59,900	59,040	50,976	58,329	60,040
Total Paper	23,704	25,340	26,775	26,841	23,241	26,554	27,703
Total Paperboard	26,037	28,502	29,571	28,915	24,756	28,440	28,953
Unbleached Kraft	11,800	13,268	13,563	13,333	11,543	13,332	13,651
Semichemical	3,700	4,010	4,260	4,175	3,702	4,105	4,264
Bleached Kraft	3,381	3,686	3,864	3,773	3,343	3,844	3,721
Recycled	7,156	7,538	7,885	7,634	6,168	7,158	7,317
Wet Machine Board	138	148	149	144	115	130	129
Building Paper	1,837	1,915	1,858	1,845	1,615	1,771	1,852
Insulating Board	1,446	1,529	1,547	1,295	1,249	1,434	1,403
New Supply							
Total Paper	30,064	32,014	34,005	34,154	28,242	32,490	34,126
Newsprint	9,773	10,269	10,877	10,955	9,048	9,917	10,080
Printing/Writing Papers	11,311	12,329	13,512	13,590	10,948	13,296	14,242
Uncoated Groundwood	1,323	1,334	1,388	1,460	1,316	1,588	1,794
Coated	3,124	3,411	3,711	3,693	3,037	3,842	4,223
Uncoated Free Sheet	5,449	6,034	6,769	6,834	5,330	6,479	6,835
Thin and Cotton Fiber	338	390	410	401	334	363	384
Bleached Bristols	1,077	1,160	1,234	1,201	931	1,024	1,052
Packaging and Ind. Conv. Papers	5,163	5,459	5,600	5,547	4,299	5,111	5,535
Unbleached Kraft	3,598	3,791	3,916	3,951RS	3,070	3,598	3,720
Other	1,565	1,668	1,684	1,596RS	1,229	1,513	1,815*
Tissue	3,817	3,957	4,016	4,062	3,948	4,166	4,269
Total Paperboard	23,938	26,279	27,590	26,799	23,311	26,744	27,150
Unbleached Kraft	9,976	11,381	11,972	11,760	10,485	12,089	12,376
Semichemical	3,596	3,898	4,153	4,029	3,587	3,986	4,142
Bleached Board	3,224	3,468	3,584	3,453	3,087	3,538	3,332
Recycled	7,142	7,532	7,881	7,557	6,152	7,131	7,300
Construction and Other	3,467	3,650	3,604	3,301	3,001	3,367	3,464
Total All Grades	57,469	61,943	65,199	64,254	54,554	62,601	64,740
Paper and Products	30,371	32,246	34,037	33,719	28,298	32,485	34,081
Paperboard and Products	23,613	26,142	27,362	26,288	22,811	26,161	26,696
Total Including Products	57,451	62,038	65,003	63,308	54,110	62,013	64,241
Real G.N.P.- $ Bil.,1972 Prices Revised Series	1,122.4	1,185.9	1,255.0R	1,248.0R	1,233.9R	1,298.2	1,369.7
Ratio of New Supply to Real G.N.P							
Total Paper	26.785	26.996	27.096	27.367	22.888	25.027	24.915
Newsprint	8.707	8.659	8.669	8.778	7.333	7.639	7.359
Printing/Writing Papers	10.078	10.396	10.767	10.889	8.873	10.242	10.398
Uncoated Groundwood	1.179	1.125	1.106	1.170	1.067	1.223	1.277
Coated	2.783	2.913	2.957	2.959	2.461	2.959	3.083
Uncoated Free Sheet	4.855	5.088	5.394	5.476	4.320	4.991	4.990
Thin and Cotton Fiber	.301	.328	.327	.321	.271	.280	.280
Bleached Bristols	.960	.978	.983	.962	.755	.789	.768
Packaging and Ind. Conv. Papers	4.600	4.604	4.462	4.445	3.484	3.937	4.041
Unbleached Kraft	3.206	3.197	3.120	3.166RS	2.488	2.772	2.716
Other	1.394	1.407	1.341	1.279	.996	1.165	1.325*
Tissue	3.401	3.337	3.200	3.255	3.200	3.209	3.117
Total Paperboard	21.327	22.159	21.984	21.474	18.892	20.601	19.822
Unbleached Kraft	8.888	9.597	9.539	9.423	8.497	9.312	9.036
Semichemical	3.204	3.287	3.309	3.228	2.907	3.070	3.024
Bleached Board	2.872	2.924	2.856	2.767	2.502	2.725	2.433
Recycled	6.363	6.351	6.280	6.055	4.986	5.493	5.330
Construction and Other	3.090	3.078	2.872	2.645	2.432	2.594	2.529
Total All Grades	51.201	52.233	51.951	51.486	44.213	48.221	47.266
Paper and Products	27.059	27.191	27.121	27.018	22.934	25.023	24.882
Paperboard and Products	21.038	22.044	21.802	21.064	18.487	20.152	19.490
Total Including Products	51.186	52.313	51.795	50.728	43.853	47.768	46.902

NOTE: The new supply data in this table are based upon the shipments data shown in Table I and the import-export data as reported by the Bureau of the Census and published in the current and earlier issues of the Statistics of Paper and Paperboard. Imports of newsprint, uncoated groundwood paper, coated paper and uncoated free sheet paper have been adjusted to reflect Canadian data on shipments of these grades to the United States. New supply of paper and products and of paperboard and products was calculated using Census import and export totals for all grades. See Tables XXXIV and XXXV for the adjusted import and export data used.

RS - Revised Series R - Revised

* Data overstated by about 10%, as indicated by revision of 1979 data in 1980 report.

TABLE X (Cont.)

PAPER AND PAPERBOARD

PRODUCTION, NEW SUPPLY AND NEW SUPPLY/REAL G.N.P.

1959-1984

000 Short Tons	1978R	1979R	1980R	1981R	1982R	1983R	1984P
Production - Total	62,047	64,345	63,536	64,263	60,985	66,920	70,557
Total Paper	28,296	29,641	30,026	30,881	30,258	32,823	34,418
Total Paperboard	30,275	31,429	30,952	31,232	29,065	32,177	34,039
Unbleached Kraft	14,372	15,151	15,295	15,602	14,535	16,122	17,185
Semichemical	4,439	4,689	4,724	4,719	4,389	4,730	5,169
Bleached Kraft	3,979	3,998	3,862	3,910	3,665	3,926	4,048
Recycled	7,485	7,591	7,071	7,001	6,476	7,398	7,636
Wet Machine Board	136	144	138	160	129E	140E	150E
Building Paper	1,915	1,868	1,369	1,144	798	900E	985E
Insulating Board	1,425	1,263	1,051	846	735ER	880	965
New Supply							
Total Paper R	35,966	37,423	37,035	37,527	36,622	40,239	43,530
Newsprint	10,788	11,159	11,377	11,696	10,948	11,597	12,722
Printing/Writing Papers R	15,263	16,100	16,145	16,166	16,261	18,513	20,458
Uncoated Groundwood	1,907	2,123	2,086	2,001	2,068	2,414	2,833
Coated	4,540	4,587	4,643	4,843	4,979	5,799	6,592
Uncoated Free Sheet	7,274	7,937	8,063	7,921	7,948	8,943	9,603
Thin and Cotton Fiber	435	468	415	439	394	410	450
Bleached Bristols R	1,108	985	937	962	873	947	980
Packaging and Ind. Conv. Papers	5,709	5,655	5,195	5,195	4,992	5,344	5,416
Unbleached Kraft	3,884	3,935	3,707	3,654	3,497	3,591	3,602
Other	1,826*	1,720	1,488	1,541	1,495	1,752	1,815
Tissue	4,206	4,509	4,318	4,470	4,421	4,785	4,934
Total Paperboard	28,335	29,250	27,716	28,741	26,526	29,333	31,551
Unbleached Kraft	12,938	13,532	12,959	13,764	12,639	13,890	15,169
Semichemical	4,368	4,624	4,432	4,616	4,252	4,608	5,124
Bleached Board	3,546	3,502	3,313	3,353	3,140	3,411	3,570
Recycled	7,483	7,592	7,012	7,007	6,495	7,424	7,687
Construction and Other	3,737	3,598	2,968	2,468	2,024	2,331	2,522
Total All Grades R	68,039	70,271	67,718	68,735	65,173	71,902	77,603
Paper and Products R	36,153	37,358	36,938	37,313	36,575	40,052	43,619
Paperboard and Products	27,897	28,840	27,198	28,180	26,164	28,956	31,105
Total Including Products R	67,787	69,796	67,103	67,961	64,763	71,339	77,246
Real G.N.P.- $ Bil., 1972 Prices Revised Series	1,438.6	1,479.4	1,475.0	1,512.2	1,480.0	1,534.7	1,639.3
Ratio of New Supply to Real G.N.P.							
Total Paper R	25.001	25.296	25.108	24.816	24.745	26.220	26.554
Newsprint	7.499	7.543	7.713	7.734	7.397	7.557	7.707
Printing/Writing Papers R	10.610	10.883	10.946	10.690	10.987	12.063	12.478
Uncoated Groundwood	1.326	1.435	1.414	1.323	1.397	1.573	1.728
Coated	3.156	3.101	3.145	3.203R	3.364	3.779	4.021
Uncoated Free Sheet	5.056	5.365	5.466	5.238R	5.370	5.827	5.858
Thin and Cotton Fiber	.302	.316	.281	.290	.266	.267	.275
Bleached Bristols R	.770	.666	.635	.636	.590	.617	.598
Packaging and Ind. Conv. Papers	3.968	3.822	3.522	3.435	3.373	3.482	3.304
Unbleached Kraft	2.700	2.660	2.513	2.415	2.363	2.340	2.197
Other	1.269*	1.163	1.009	1.020	1.010	1.142	1.107
Tissue	2.923	3.048	2.927	2.958	2.987	3.118	3.010
Total Paperboard	19.696	19.771	18.791	19.006	17.923	19.113	19.247
Unbleached Kraft	8.994	9.147	8.786	9.102	8.540	9.051	9.253
Semichemical	3.036	3.126	3.005	3.053	2.873	3.003	3.126
Bleached Board	2.467	2.367	2.246	2.217	2.122	2.223	2.178
Recycled	5.201	5.132	4.754	4.634	4.389	4.837	4.689
Construction and Other	2.598	2.432	2.012	1.632	1.368	1.519	1.538
Total All Grades	47.295	47.499	45.910	45.455	44.036	46.851	47.339
Paper and Products	25.131	25.252	25.043	24.674	24.713	26.098	26.608
Paperboard and Products	19.392	19.494	18.439	18.635	17.678	18.868	18.975
Total Including Products	47.120	47.178	45.494	44.942	43.759	46.484	47.121

* Data overstated by about 10%, as indicated by revision of 1979 data in 1980 report

R - Revised P - Preliminary E - Estimated by API

TABLE XI

UNITED STATES CAPACITY TO PRODUCE PAPER AND BOARD

1972 - 1987

(THOUSANDS OF TONS)

	1972	1973	1974	1975	1976	1977	1978	1979
TOTAL PAPER AND BOARD	**59,965**	**62,284**	**63,779**	**64,369**	**65,673**	**66,459**	**67,419**	**69,033**
Total Paper	**26,545**	**27,621**	**28,532**	**28,922**	**29,210**	**29,831**	**30,460**	**31,179**
Newsprint #	3,490	3,597	3,722*	3,848	4,014	4,069	4,104	4,199
Total Printing, Writing & Related	12,766	13,659	14,128	14,275	14,494	14,975	15,566	16,057
Groundwood Uncoated #	1,353	1,403	1,280	1,329	1,309	1,367	1,453	1,541
Coated Papers - Total	3,866	4,045	4,075	4,065	4,202	4,397	4,546	4,822
Coated Groundwood	--	--	--	2,127	2,299	2,408	2,450	2,554
Coated Free Sheet	--	--	--	1,938	1,903	1,989	2,096	2,268
Uncoated Free Sheet	5,894	6,541	7,046	7,180	7,319	7,465	7,847	8,152
Cotton Fiber	152	149	142	139	142	133	131	134
Thin	320	342	351	367	358	402	395	393
Solid Bleached Bristols	1,182	1,179	1,235	1,194	1,165	1,213	1,194	1,016
Total Packaging & Ind. Conv.	5,997	6,060	6,360	6,368	6,202	6,242	6,146	6,053
Unbleached Kraft	4,053	4,138	4,389	4,333	4,218	4,317	4,223	4,098
Bleached Pkg. & Ind. Conv.	1,374	1,292	1,291	1,194**	1,128	1,069	1,041	1,105
Specialty Pkg.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Other	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Special Industrial	571	629	679	841	856	856	883	850
Tissue	4,292	4,303	4,322	4,432	4,500	4,545	4,644	4,870
Total Paperboard	**29,328**	**30,543**	**30,995**	**31,218**	**32,097**	**32,173**	**32,631**	**33,436**
Total Unbleached Kraft Packaging & Industrial Converting	13,458	13,898	13,965	14,157	14,568	14,793	15,054	15,546
Linerboard	12,568	12,862	12,901	13,138	13,448	13,586	13,864	14,199
Folding Boxboard	393	463	479	484	595	645	650	827
Other	497	573	585	536	525	561	540	520
Total Bleached Packaging Paperboard	3,629	3,928	3,920	3,807	3,998	4,020	4,197	4,268
Folding Boxboard	1,500	1,749	1,851	1,751	1,915	1,930	1,996	2,061
Milk Carton & Food Service	1,857	1,899	1,848	1,859	1,854	1,824	1,899	1,877
Linerboard	141	139	108	95	101	97	122	137
Other	129	141	113	102	128	170	179	193
Semichemical Paperboard	4,155	4,386	4,430	4,536	4,758	4,661	4,739	4,864
Total Recycled Paperboard	8,086	8,330	8,680	8,717	8,774	8,699	8,642	8,757
Linerboard	310	306	430	364	361	392	361	432
Corrugating Medium	1,063	1,178	1,358	1,449	1,476	1,337	1,343	1,392
Container Chip & Filler	329	349	344	408	398	403	311	287
Folding	2,673	2,664	2,665	2,658	2,705	2,674	2,568	2,615
Set-Up	540	518	505	465	450	443	418	404
Gypsum Wall Board Facing	1,044	1,093	1,100	1,063	1,046	1,112	1,238	1,273
Other	2,127	2,221	2,278	2,310	2,337	2,337	2,403	2,355
Total Paper and Paperboard	**55,873**	**58,164**	**59,527**	**60,140**	**61,307**	**62,004**	**63,091**	**64,615**
Total Wet Machine Board	**197**	**182**	**188**	**217**	**216**	**180**	**145**	**154**
Total Construction Paper & Board	**3,894**	**3,939**	**4,063**	**4,011**	**4,149**	**4,276**	**4,182**	**4,265**
Construction Paper	2,070	2,102	2,165	2,270	2,317	2,364	2,352	2,380
Insulating Board	1,824	1,837	1,898	1,741	1,832	1,912	1,830	1,885
Total Hard Pressed Board ###	**1,903**	**2,247**	**2,334**	**2,460**	**2,511**	**2,536##**	**2,525##**	**2,556##**

SOURCE: American Paper Institute, Paper, Paperboard and Wood Pulp Capacity Survey, various issues to November 1984.

N.A. - Not Available

* - Average basis weight changed from 32 lbs. to 30 lbs. during 1974.

** - Reflects shift of about 215,000 tons of bleached kraft envelope paper to uncoated free sheet in 1975 and later years.

\# - Not directly comparable with shipments data in Table II in 1972-1977 because of redefinition of certain grades from uncoated groundwood paper to newsprint.

- As reported in 1976 Capacity Survey.

- Hard Pressed Board not included in Total Paper and Board.

TABLE XI (Cont.)

UNITED STATES CAPACITY TO PRODUCE PAPER AND BOARD

1972 - 1987

(THOUSANDS OF TONS)

	1980	1981	1982	1983	1984F	1985F	1986F	1987F
TOTAL PAPER AND BOARD	**70,716**	**72,255**	**73,118**	**74,017**	**75,626**	**76,553**	**77,827**	**79,171**
Total Paper	**32,659**	**33,706**	**34,665**	**35,675**	**36,851**	**37,297**	**38,100**	**39,134**
Newsprint	4,836	5,457	5,654	5,774	5,847	5,758	5,765	5,792
Total Printing, Writing & Related	16,798	17,302	17,809	18,633	19,770	20,462	21,087	21,953
Groundwood Uncoated	1,624	1,625	1,655	1,710	1,693	1,710	1,72	1,713
Coated Papers-Total	4,984	5,292	5,516	5,995	6,405	6,593	6,822	7,331
Coated Groundwood	2,762	3,047	3,242	3,522	3,701	3,744	3,863	4,262
Coated Free Sheet	2,222	2,245	2,274	2,473	2,704	2,849	2,959	3,069
Uncoated Free Sheet	8,645	8,828	9,039	9,354	10,083	10,559	10,915	11,266
Cotton Fiber	139	147	161	162	176	180	180	181
Thin	382	374	369	347	338	338	338	338
Solid Bleached Bristols	1,024	1,035	1,069	1,065	1,075	1,082	1,119	1,126
Total Packaging & Ind. Conv.	6,072	5,913	6,076	6,078	5,991	5,755	5,754	5,769
Unbleached Kraft	4,110	3,961	4,091	4,065	3,954	3,704	3,700	3,705
Bleached Pkg. & Ind. Conv.	1,095	1,083	1,080	1,119	1,111	1,125	1,119	1,121
Specialty Pkg.	597	554	553	569	566	571	556	556
Other	498	529	527	550	551	554	563	565
Special Industrial	866	870	906	894	919	926	934	942
Tissue	4,954	5,035	5,125	5,190	5,243	5,322	5,494	5,620
Total Paperboard	**33,709**	**34,466**	**35,421**	**35,451**	**35,898**	**36,403**	**36,874**	**37,183**
Total Unbleached Kraft Packaging & Industrial Converting	15,967	16,738	17,402	17,511	17,790	18,027	18,214	18,362
Linerboard	14,586	15,372	16,032	16,217	16,488	16,723	16,914	17,052
Folding Boxboard	852	799	860	800	807	807	807	807
Other	529	567	509	493	495	497	493	503
Total Bleached								
Packaging Paperboard	4,180	4,141	4,123	4,129	4,187	4,321	4,354	4,439
Folding Boxboard	1,954	1,966	1,988	1,992	2,022	2,047	2,081	2,153
Milk Carton & Food Service	1,865	1,839	1,812	1,812	1,854	1,964	1,961	1,974
Linerboard	116	106	104	111	104	104	104	104
Other	246	230	219	215	207	207	208	208
Semichemical Paperboard	4,946	4,988	5,207	5,119	5,219	5,299	5,350	5,393
Total Recycled Paperboard	8,617	8,599	8,690	8,692	8,702	8,756	8,956	8,989
Linerboard	509	463	379	395	394	424	587	587
Corrugating Medium	1,330	1,349	1,478	1,427	1,482	1,493	1,504	1,513
Container Chip & Filler	283	309	273	247	252	252	252	252
Folding	2,593	2,633	2,676	2,671	2,629	2,632	2,650	2,661
Set-Up	349	335	331	324	318	318	318	319
Gypsum Wall Board Facing	1,238	1,251	1,255	1,217	1,232	1,248	1,249	1,255
Other	2,313	2,260	2,298	2,412	2,394	2,389	2,396	2,403
Total Paper and Paperboard	**66,368**	**68,172**	**70,086**	**71,126**	**72,749**	**73,700**	**74,974**	**76,317**
Total Wet Machine Board	**163**	**157**	**160**	**173**	**178**	**179**	**179**	**179**
Total Construction Paper & Board	**4,184**	**3,926**	**2,872**	**2,718**	**2,699**	**2,674**	**2,675**	**2,675**
Construction Paper	2,345	2,111	1,306	1,234	1,244	1,221	1,222	1,222
Insulating Board	1,839	1,815	1,566	1,484	1,455	1,453	1,453	1,453
Total Hard Pressed Board #	**2,556##**	**N.A.**	**N.A.**	**N.A.**	**N.A.**	**N.A.**	**N.A.**	**N.A.**

SOURCE: American Paper Institute, Paper, Paperboard and Wood Pulp Capacity Survey various issues to November 1984.
F - Forecast as reported in November 1984 Capacity Survey
N.A. - Not Available
\# - Hard Pressed Board Not included in Total Paper and Board.
- As reported in 1976 Capacity Survey.

TABLE XII

WOOD PULP CAPACITY

1972 - 1987

(Thousands of Tons)

	1972	1973	1974	1975	1976	1977	1978	1979
TOTAL ALL GRADES (1)	**46,760**	**48,459**	**48,995**	**49,502**	**50,547**	**51,849**	**52,714**	**53,636**
Dissolving and Special Alpha	1,756	1,754	1,824	1,671	1,571	1,648	1,573	1,551
Chemical Paper Grades	35,118	36,631	36,912	37,411	38,292	39,174	39,997	40,897
Sulfite, Paper Grades Total	2,353	2,378	2,401	2,420	2,417	2,252	2,095	2,004
Bleached	1,949	1,977	2,014	1,993	1,972	1,812	1,675	1,595
Unbleached	404	401	387	427	445	440	420	409
Sulfate and Soda Total	32,765	34,253	34,511	34,991	35,875	36,922	37,903	38,893
Bleached Total	12,885	13,733	14,522	14,764	15,042	15,822	18,171	18,969
Hardwood	5,674	6,608	7,105	7,201	7,208	7,310	7,729	8,072
Softwood	7,211	7,125	7,417	7,563	7,835	8,512	10,442	10,897
Semi-Bleached Total	2,178	2,045	1,539	1,469	1,539	1,547	(2)	(2)
Hardwood	419	328	33	7	19	12		
Softwood	1,760	1,717	1,506	1,462	1,520	1,536		
Unbleached	17,702	18,475	18,451	18,758	19,293	19,552	19,732	19,923
Semichemical Total	3,937	4,171	4,233	4,246	4,402	4,514	4,572	4,553
Bleached	204	344	330	334	345	345	339	336
Unbleached	3,732	3,827	3,903	3,912	4,057	4,169	4,234	4,217
Mechanical Total	5,813	5,802	5,930	6,090	6,204	6,442	6,507	6,572
For Paper and Board	4,593	4,532	4,572	4,247	4,416	4,502	4,580	4,573
Stone Groundwood	-	-	-	3,615	3,540	3,397	3,328	3,255
Refiner	-	-	-	500	543	538	533	507
Thermo-Mechanical	-	-	-	131	333	567	719	811
For Other Paper and Board	1,220E	1,270E	1,358E	1,843	1,788	1,939	1,926	1,999
Stone and Refiner	-	-	-	523	537	525	529	594
Defibrated and Exploded (1)	1,220E	1,270E	1,358E	1,320E	1,251E	1,414	1,397	1,406
Screenings	137	100	97	84	78	71	65	63
MARKET PULP								
Total All Grades	-	-	**5,557**	**5,412**	**5,407**	**5,467**	**5,746**	**6,334**
Dissolving	-	-	1,636	1,488	1,421	1,611	1,573	1,551
Chemical Paper Grades	-	-	3,921	3,924	3,986	3,856	4,069	4,632
Sulfate	-	-	3,431	3,430	3,411	3,444	3,760	4,332
Bl. & Semi-Bleached	-	-	3,240	3,218	3,194	3,280	3,653	4,228
Unbleached	-	-	191	212	218	164	107	104
Sulfite	-	-	471	460	459	301	309	350
All Other	-	-	19	34	116	111	104	101
- No Data Available								
(1) Excludes defibrated and exploded wood pulp for hard pressed board as follows:	1,971	2,215	2,300	2,425	2,500	2,500	N.A.	N.A.
(2) Semi-Bleached Total included with Bleached.								

E - Estimate
N.A. - Not Available

TABLE XII (Cont.)

WOOD PULP CAPACITY

1972 - 1987

(Thousands of Tons)

	1980	1981	1982	1983F	1984F	1985F	1986F	1987F
TOTAL ALL GRADES (1)	**55,214**	**56,831**	**57,638**	**57,590**	**58,461**	**59,069**	**60,237**	**60,868**
Dissolving and Special Alpha	1,590	1,598	1,606	1,525	1,504	1,504	1,504	1,504
Chemical Paper Grades	41,893	43,143	43,971	44,284	44,980	45,650	46,721	47,165
Sulfite, Paper Grades Total	1,909	1,855	1,780	1,788	1,726	1,718	1,722	1,724
Bleached	1,512	1,464	1,383	1,404	1,454	1,462	1,466	1,468
Unbleached	397	391	397	385	272	256	256	256
Sulfate and Soda Total	39,983	41,288	42,191	42,495	43,255	43,932	44,999	45,441
Bleached and Semi-Bleached - Total	19,695	20,316	20,757	21,290	22,092	23,059	24,070	24,341
Hardwood	8,356	8,559	8,705	9,179	9,663	10,105	10,671	10,823
Softwood	11,339	11,757	12,052	12,111	12,429	12,954	13,399	13,518
Unbleached	20,288	20,972	21,435	21,206	21,163	20,873	20,989	21,100
Semichemical Total	4,601	4,597	4,734	4,490	4,569	4,609	4,624	4,654
Bleached	384	350	356	367	374	374	374	374
Unbleached	4,217	4,247	4,378	4,122	4,195	4,236	4,251	4,280
Mechanical Total (Groundwood)	7,069	7,434	7,293	7,261	7,376	7,274	7,357	7,514
For Paper and Board	5,070	5,494	5,780	5,814	6,054	6,005	6,088	6,248
Stone Groundwood	3,212	3,239	3,260	3,146	3,134	3,065	3,080	3,118
Refiner	486	489	472	480	498	507	509	510
Thermo-Mechanical	1,371	1,766	2,048	2,188	2,423	2,433	2,499	2,67
For Other Paper and Board	1,999	1,940	1,513	1,447	1,322	1,269	1,269	1,269
Stone and Refiner	647	651	628	576	486	486	486	486
Defibrated and Exploded	1,352	1,289	885	871	837	783	783	783
Screenings	61	58	34	31	31	31	31	31
MARKET PULP								
Total All Grades	**6,801**	**6,972**	**7,079**	**7,414**	**7,569**	**7,994**	**8,172**	**8,066**
Dissolving	1,576	1,579	1,598	1,519	1,504	1,504	1,504	1,504
Chemical Paper Grades	5,129	5,375	5,469	5,881	6,051	6,447	6,654	6,548
Sulfate	4,761	5,034	5,182	5,529	5,692	6,118	6,295	6,189
Bl. and Semi-Bleached	4,589	4,867	5,040	5,372	5,532	5,958	6,088	5,977
Unbleached	172	167	142	157	160	160	208	212
Sulfite	369	341	288	352	359	359	359	359
All Other	96	17	12	14	14	14	14	14

F - Forecast

TABLE XIII

IMPORTS

WOOD PULP, PAPER, PAPERBOARD AND PRODUCTS

1979 - 1984

	1979		1980		1981	
	Tons	$ 000	Tons	$ 000	Tons	$ 000
TOTAL ALL GRADES	**13,519,117**	**4,767,233**	**12,918,160**	**5,200,885**	**12,504,912**	**5,559,228**
WOOD PULP, ALL GRADES, TOTAL	**4,317,522**	**1,465,169**	**4,050,919**	**1,683,655**	**4,086,698**	**1,764,287**
Dissolving and Special Alpha	213,114	67,993	262,747	110,202	248,565	105,179
Sulphite, Paper Grades, Total	592,876	206,243	426,745	177,953	442,422	197,695
Bleached	480,609	171,802	317,468	138,825	352,262	162,189
Unbleached	112,267	34,441	109,277	39,127	90,160	35,506
Sulphate, Paper Grades, Total	3,330,202	1,142,638	3,188,092	1,351,402	3,212,878	1,413,170
Bleached	3,011,959	1,042,501	2,904,205	1,239,720	2,904,531	1,285,810
Semi-Bleached	150,196	50,448	140,342	58,245	142,727	62,094
Unbleached	168,047	49,689	143,545	53,437	165,620	65,266
Soda	**	**	**	**	**	**
Groundwood	162,509	35,601	148,499	33,849	158,606	37,422
Other*	38,821	12,694	24,836	10,249	24,227	10,821
WASTE PAPER	**78,395**	**11,189**	**87,064**	**17,188**	**79,064**	**13,405**
PAPER, PAPERBOARD AND PRODUCTS, TOTAL	**9,123,200**	**3,208,026**	**8,780,177**	**3,417,904**	**8,339,150**	**3,672,492**
PAPER, PAPERBOARD AND OTHER, TOTAL	**9,027,147**	**2,984,897**	**8,686,416**	**3,172,997**	**8,244,942**	**3,361,887**
PAPER, TOTAL#	**8,559,716**	**2,896,107**	**8,113,036**	**3,063,633**	**7,716,284**	**3,247,846**
Newsprint	**7,222,701**	**2,300,450**	**7,279,349**	**2,637,857**	**6,977,118**	**2,824,777**
Printing & Writing Paper, Total	**1,178,507**	**511,724**	**739,678**	**363,266**	**638,538**	**347,117**
Groundwood, Uncoated	804,596	295,996	487,973	204,873	458,915	219,697
Coated and Impregnated Paper	188,846	108,590	114,927	68,868	39,321	28,765
Uncoated Free Sheet	167,894	93,838	129,380	80,604	127,377	80,352
Uncoated Book	142,674	69,291	115,528	62,466	114,422	64,874
Writing Papers	25,220	24,547	13,852	18,138	12,955	15,478
Other Fine Paper	-	-	-	-	-	-
Thin Paper	14,924	12,057	6,321	8,182	12,015	17,647
Bristols	2,247	1,243	1,077	739	910	656
Packaging & Industrial Paper, Total	**141,196**	**74,211**	**89,893**	**60,043**	**93,588**	**71,124**
Unbleached Kraft	66,816	24,551	33,689	14,293	32,532	14,870
Other Packaging & Converting	65,556	39,295	50,443	36,307	52,724	41,615
Glassine & Greaseproof	5,475	5,614	3,679	5,654	4,797	7,929
Vegetable Parchment	67	226	62	248	44	232
Special Industrial Paper	3,282	4,525	1,819	3,542	3,491	6,478
Tissue Paper	**17,312**	**9,722**	**4,116**	**2,467**	**7,040**	**4,830**
PAPERBOARD, TOTAL	**82,203**	**19,111**	**97,583**	**25,576**	**130,478**	**34,518**
Test or Containerboard	25,725	6,021	43,472	11,340	48,169	12,071
Semichemical Corrugating	33,494	5,889	31,349	6,156	52,476	11,695
Other Paperboard	22,984	7,201	22,762	8,080	29,832	10,751
WET MACHINE BOARD##	**2,345**	**1,341**	**2,118**	**1,395**	**1,684**	**1,185**
CONSTRUCTION PAPER & BOARD, TOTAL	**382,883**	**68,338**	**473,679**	**82,393**	**396,496**	**78,338**
Building Paper	330,147	56,768	435,666	73,238	355,284	65,927
Insulating and Other Building Board	52,736	11,570	38,013	9,155	41,212	12,411
PAPER AND PAPERBOARD PRODUCTS, TOTAL#	**96,053**	**223,129**	**93,761**	**244,907**	**94,208**	**310,605**
PAPER PRODUCTS, TOTAL#	**90,246**	**211,682**	**84,146**	**232,412**	**86,676**	**294,479**
Printing & Book Paper#	17,425	69,385	19,377	80,902	21,635	96,180
Writing & Related Paper	49,708	78,857	55,780	136,334	53,885	177,048
Special Industrial Paper	19,657	59,180	5,792	10,368	8,109	16,152
Tissue Paper	3,456	4,260	3,197	4,808	3,047	5,098
PAPERBOARD PRODUCTS, TOTAL	**5,807**	**11,447**	**9,615**	**12,494**	**7,531**	**16,126**
Hard Pressed Board (Not in totals)	**262,229**	**39,607**	**172,023**	**32,713**	**189,466**	**42,095**

* Includes Mixtures and Screenings
** Included with Sulphate Pulp Imports
# Coated and Impregnated Printing Papers included in Primary Coated Papers from 1977 on, in earlier years they were in Paper Products
Excludes Imports of Leatherboard from 1977 on, which are included in earlier years.

NOTE: Dollar figures for the value of shipments for which no tonnage figures were given are shown below. They are not included in the subtotals, but are in the Total All grades: ($ 000)

	$82,849	$82,138	$109,042

TABLE XIII (Cont.)

IMPORTS

WOOD PULP, PAPER, PAPERBOARD AND PRODUCTS

1979 - 1984

	1982		1983		1984	
	Tons	$ 000	Tons	$ 000	Tons	$ 000
TOTAL ALL GRADES	**11,754,127**	**5,344,649**	**13,180,285**	**5,650,120**	**15,675,105**	**7,180,256**
WOOD PULP, ALL GRADES, TOTAL	**3,655,786**	**1,493,241**	**4,093,436**	**1,472,478**	**4,490,081**	**1,844,768**
Dissolving and Special Alpha	186,477	77,853	192,317	72,280	161,066	62,186
Sulphite, Paper Grades, Total	329,442	145,373	305,620	124,299	459,810	190,689
Bleached	280,068	125,800	254,546	106,116	395,547	165,435
Unbleached	49,374	19,573	51,074	18,183	64,263	25,254
Sulphate, Paper Grades, Total	2,972,567	1,228,889	3,400,659	1,228,776	3,562,732	1,501,513
Bleached	2,761,314	1,147,304	3,197,550	1,163,186	3,383,516	1,433,377
Semi-Bleached	78,608	33,156	66,996	25,124	46,277	20,601
Unbleached	132,645	48,429	136,113	40,466	132,939	47,535
Soda	**	**	**	**	**	**
Groundwood	144,336	32,861	184,342	43,545	257,543	70,360
Other *	22,964	8,265	10,498	3,577	48,930	20,018
WASTE PAPER	**74,332**	**9,450**	**100,410**	**10,537**	**109,712**	**11,692**
PAPER, PAPERBOARD AND PRODUCTS, TOTAL	**8,024,009**	**3,682,401**	**8,986,439**	**4,018,855**	**11,075,312**	**5,323,796**
PAPER, PAPERBOARD AND OTHER, TOTAL	**7,917,418**	**3,344,205**	**8,834,568**	**3,582,292**	**10,855,990**	**4,782,630**
PAPER, TOTAL#	**7,381,252**	**3,226,307**	**8,189,498**	**3,428,868**	**10,113,718**	**4,592,641**
Newsprint	**6,530,676**	**2,748,652**	**6,919,348**	**2,757,524**	**7,893,877**	**3,299,570**
Printing and Writing Paper, Total	**764,095**	**408,551**	**1,151,011**	**587,426**	**2,044,045**	**1,170,144**
Groundwood, Uncoated	514,882	248,196	732,237	331,017	1,090,049	548,791
Coated and Impregnated Paper	69,010	46,763	162,441	101,289	428,274	295,844
Uncoated Free Sheet	168,519	99,330	235,605	135,350	478,628	285,212
Book, Uncoated	142,626	80,105	154,147	88,632	254,926	156,296
Writing Papers	25,893	19,225	81,458	46,718	223,702	128,916
Other Fine Paper	-	-	-	-	-	-
Thin Paper	11,293	13,846	20,258	19,213	46,427	39,513
Bristols	391	416	471	557	667	784
Packaging & Industrial Paper, Total	**79,653**	**63,863**	**107,521**	**75,694**	**145,484**	**102,565**
Unbleached Kraft	23,078	10,749	42,013	17,454	42,854	19,568
Other Packaging & Converting	47,842	38,290	51,982	37,372	83,860	53,927
Glassine & Greaseproof	5,949	8,909	8,159	11,857	11,659	16,506
Vegetable Parchment	172	424	330	602	696	1,000
Special Industrial Paper	2,612	5,491	5,038	8,408	6,415	11,564
Tissue Paper	**6,828**	**5,241**	**11,617**	**8,225**	**30,312**	**20,362**
PAPERBOARD, TOTAL	**114,808**	**29,698**	**167,818**	**46,160**	**242,616**	**73,892**
Test or Containerboard	35,983	8,459	48,119	13,042	70,028	22,218
Semichemical Corrugating	47,295	9,679	69,564	14,509	103,968	26,098
Other Paperboard	31,531	11,560	50,136	18,609	68,620	25,576
WET MACHINE BOARD##	**1,842**	**1,239**	**3,584**	**2,422**	**2,826**	**2,017**
CONSTRUCTION PAPER & BOARD, TOTAL	**419,515**	**86,961**	**473,667**	**104,842**	**496,830**	**114,080**
Building Paper	**371,186**	**70,964**	**393,148**	**77,004**	**388,790**	**77,075**
Insulating and Other Building Board	**48,330**	**15,997**	**80,519**	**27,837**	**108,040**	**37,005**
PAPER AND PAPERBOARD PRODUCTS, TOTAL#	106,591	338,196	151,872	436,563	219,322	541,166
PAPER PRODUCTS, TOTAL#	**92,059**	**307,245**	**124,816**	**373,966**	**184,522**	**472,998**
Printing & Book Paper#	30,656	124,667	27,260	119,636	36,947	152,006
Writing & Related Paper	50,275	161,616	82,184	228,078	118,865	275,709
Packaging & Special Industrial Paper	7,540	15,239	9,032	18,428	12,964	28,709
Tissue Paper	3,588	5,723	6,340	7,824	15,746	16,574
PAPERBOARD PRODUCTS, TOTAL	**14,532**	**30,951**	**27,055**	**62,597**	**34,800**	**68,168**
Hard Pressed Board (Not in totals)	**152,505**	**30,908**	**238,479**	**46,416**	**269,173**	**53,087**

* Includes Mixtures and Screenings
** Included with Sulphate Pulp Imports
\# Coated and Impregnated Printing Papers included in Primary Coated Papers, in earlier years they were in Paper Products.
Excludes imports of Leatherboard, which are included in earlier years.

NOTE: Dollar figures for the value of shipments for which no tonnage figures were given are shown below. They are not included in the sub-totals, but are in the Total, All Grades: ($ 000)

$159,558	$148,251	$195,737

TABLE XIV

EXPORTS

1979 - 1984

WOOD PULP, PAPER, PAPERBOARD AND PRODUCTS

	1979		1980		1981	
	Tons	$ 000	Tons	$ 000	Tons	$ 000
TOTAL ALL GRADES	**8,971,709**	**3,358,211**	**11,832,242**	**4,849,934**	**10,663,148**	**4,917,049**
WOOD PULP ALL GRADES, TOTAL	**2,934,815**	**1,103,783**	**3,805,549**	**1,652,099**	**3,677,635**	**1,661,311**
Dissolving and Special Alpha	764,466	343,076	768,975	393,384	783,848	419,324
Sulphite, Paper Grades, Total	256,880	94,968	348,097	154,199	284,316	122,236
Bleached	218,850	84,696	322,212	146,084	271,952	118,465
Unbleached	37,930	10,272	25,885	8,115	12,364	3,771
Sulphate, Paper Grades, Total	1,843,213	647,535	2,607,736	1,078,233	2,585,476	1,111,599
Bleached	1,632,320	583,516	2,402,619	1,010,204	2,417,882	1,051,557
Semi-Bleached	106,874	33,807	92,121	27,994	66,443	24,956
Unbleached	104,019	30,212	112,996	40,035	101,151	35,086
Mechanical, Semi-Chemical & Other	70,256	18,204	80,741	26,283	23,995	8,151
COTTON PULP & OTHER FIBER	**131,444**	**74,579**	**148,485**	**92,607**	**131,910**	**85,195**
WASTE PAPER	**2,233,246**	**256,107**	**2,664,272**	**322,195**	**2,212,549**	**268,526**
PAPER, PAPERBOARD AND PRODUCTS, TOTAL	**3,672,203**	**1,913,940**	**5,213,936**	**2,772,733**	**4,641,054**	**2,890,782**
PAPER, PAPERBOARD AND OTHER, TOTAL	**3,109,859**	**1,328,320**	**4,581,878**	**2,052,406**	**4,033,988**	**2,079,937**
PAPER, TOTAL	**600,876**	**507,568**	**907,447**	**737,363**	**1,008,409**	**846,775**
Newsprint	**71,456**	**32,046**	**174,869**	**86,403**	**270,460**	**139,702**
Printing & Writing Paper, Total	**274,608**	**233,370**	**340,859**	**306,100**	**383,317**	**354,608**
Uncoated Groundwood	80,392	55,384	100,951	71,716	119,673	91,966
Coated Printing and Converting	73,521	57,743	92,351	75,160	88,597	78,328
Coated Groundwood	38,384	27,690	44,503	35,783	46,398	38,263
Coated Book	35,137	30,054	47,848	39,377	42,199	40,065
Uncoated Free Sheet	68,159	64,146	88,313	94,826	116,752	119,592
Thin (ex. cigarette)	32,357	36,741	33,835	42,036	42,717	46,573
Cotton Fiber	10,937	12,685	16,608	16,387	9,221	13,118
Bristols	9,242	6,671	8,801	5,975	6,357	5,031
Packaging & Industrial Paper, Total	**226,907**	**218,216**	**330,780**	**291,341**	**302,887**	**304,622**
Unbl.Kraft Pkg & Ind.Conv. Total	63,695	27,079	142,825	61,346	110,801	50,980
Unbleached Kraft exc. Ship. Sack	35,705	16,651	77,154	36,172	69,328	34,107
Shipping Sack	27,990	10,428	65,671	25,174	41,473	16,873
Glassine, Greaseproof & Veg Parch.	7,702	7,761	8,490	9,751	8,818	10,475
Other Pkg. & Industrial Converting	32,385	22,935	37,211	27,920	46,922	34,523
Special Industrial, Total	123,125	160,441	142,254	192,324	136,346	208,644
Special Industrial	110,557	135,864	129,566	165,754	124,128	179,793
Absorbent	12,568	24,577	12,688	26,570	12,218	28,851
Tissue Paper	**27,905**	**23,934**	**60,939**	**53,521**	**51,745**	**47,842**
PAPERBOARD TOTAL	**2,446,972**	**789,902**	**3,608,752**	**1,283,130**	**2,945,935**	**1,195,528**
Kraft Linerboard (a)	1,644,901	434,515	2,527,245	790,070	1,973,487	660,285
Other Kraft Paperboard (Unbleached)	100,301	33,739	163,825	60,633	148,855	63,341
Corrugating Medium Semichemical	17,358	5,208	62,884	17,264	65,821	19,588
Bleached Packaging Paperboard, Total	508,601	238,813	606,044	314,751	584,250	367,530
Special Food Board	59,248	26,355	20,630	10,932	21,922	13,322
Special Food Board Impr. CTD	416,649	198,879(d)	559,895	290,655	531,904	335,240
Kraft Paperboard, n.e.c.(b)	32,704	13,579	25,519	13,164	30,424	18,968
Recycled Furnish Paperboard, Total	175,811	77,626	248,754	100,412	173,522	84,784
Boxboard & Related Boards	70,652	32,260	101,186	42,470	69,939	32,313
Special Paperboard	67,768	33,918	63,210	35,413	53,760	36,219
Containerboard	37,391	11,448	84,358	22,528	49,823	16,252
WET MACHINE BOARD	**7,371**	**5,146**	**8,017**	**5,258**	**10,812**	**7,039**
CONSTRUCTION PAPER & BOARD, TOTAL	**54,642**	**25,704**	**57,662**	**26,655**	**68,832**	**30,595**
Building Paper	34,020	14,420	31,436	13,299	22,690	12,364
Insulating & Other Building Board	20,623	11,284	26,226	13,356	46,142	18,231
PAPER AND PAPERBOARD PRODUCTS, TOTAL	562,343	585,620	632,058	720,328	607,066	810,845
PAPER PRODUCTS, TOTAL	**332,407**	**427,080**	**378,581**	**523,511**	**362,337**	**580,602**
Cig. Paper Cut to Size, Books, etc.	25,143	45,947	25,141	49,308	20,120	47,335
PAPERBOARD PRODUCTS, TOTAL	**229,936**	**158,540**	**253,477**	**196,817**	**244,729**	**230,243**
Hard Pressed Board (Not in Totals)	**32,030**	**11,223**	**28,900**	**10,705**	**61,046**	**19,111**

NOTE: Grade structure revised in 1978.

NOTE: Dollar figures for the value of shipments for which no tonnage figures were given are shown below. They are not included in the sub-totals, but are in the Total, All Grades: ($ 000)

	$9,803	$10,300	$11,235

TABLE XIV (Cont.)

EXPORTS

1979 - 1984

WOOD PULP, PAPER, PAPERBOARD AND PRODUCTS

	1982		1983		1984	
	Tons	$ 000	Tons	$ 000	Tons	$ 000
TOTAL ALL GRADES	**9,872,299**	**4,324,128**	**10,889,442**	**4,229,844**	**11,301,136**	**4,534,007**
WOOD PULP ALL GRADES, TOTAL	**3,394,648**	**1,414,558**	**3,643,963**	**1,362,022**	**3,593,585**	**1,501,947**
Dissolving and Special Alpha	631,324	327,617	646,509	325,606	594,963	304,295
Sulphite, Paper Grades, Total	216,783	93,051	294,189	109,993	273,805	111,055
Bleached	209,078	91,115	281,422	106,258	263,416	107,797
Unbleached	7,705	1,936	12,767	3,736	10,389	3,258
Sulphate, Paper Grades, Total	2,519,413	985,496	2,663,639	913,537	2,670,794	1,064,663
Bleached	2,357,896	934,401	2,510,158	872,076	2,504,038	1,010,851
Semi-Bleached	62,399	21,470	57,630	18,230	75,937	25,697
Unbleached	99,118	29,625	95,851	23,231	90,819	28,116
Mechanical, Semi-Chemical & Other	27,128	8,394	39,626	12,884	54,023	21,934
COTTON PULP & OTHER FIBER	**104,560**	**72,327**	**102,863**	**69,805**	**84,883**	**63,545**
WASTE PAPER	**2,127,050**	**238,934**	**2,573,716**	**308,915**	**3,235,441**	**408,128**
PAPER, PAPERBOARD AND PRODUCTS, TOTAL	**4,246,041**	**2,589,319**	**4,568,900**	**2,481,137**	**4,387,227**	**2,551,544**
PAPER, PAPERBOARD AND OTHER, TOTAL	**3,670,413**	**1,754,352**	**3,984,537**	**1,718,035**	**3,819,212**	**1,789,505**
PAPER, TOTAL	**840,445**	**679,069**	**773,760**	**599,557**	**810,933**	**632,493**
Newsprint	**307,657**	**142,964**	**294,870**	**127,119**	**306,198**	**133,964**
Printing & Writing Paper, Total	**246,617**	**239,134**	**201,820**	**198,304**	**203,525**	**219,925**
Uncoated Groundwood	55,916	48,430	37,292	33,300	30,405	28,675
Coated Printing & Converting	81,373	65,485	79,185	60,033	85,715	71,368
Coated Groundwood	34,665	25,964	33,987	25,172	44,376	36,133
Coated Book	46,708	39,521	45,198	34,861	41,339	35,235
Uncoated Free Sheet	70,599	75,451	59,133	71,662	65,410	87,255
Thin (ex. cigarette)	27,688	34,699	17,643	20,010	14,036	20,705
Cotton Fiber	6,637	10,917	4,837	9,779	4,983	8,247
Bristols	4,404	4,152	3,730	3,520	2,976	3,475
Packaging & Industrial Paper, Total	**262,861**	**271,556**	**261,487**	**255,273**	**284,201**	**259,323**
Unbl.Kraft Pkg. & Ind. Conv., Total	89,062	38,003	116,190	42,233	106,712	44,382
Unbl. Kraft exc. Shipping Sack	49,377	22,534	47,133	18,037	40,434	19,155
Shipping Sack	39,685	15,469	69,057	25,196	66,278	25,227
Glassine, Greaseproof & Veg. Parch.	5,447	7,246	17,202	7,682	5,444	8,845
Other Pkg. & Industrial Converting	55,886	36,247	16,272	22,056	26,148	22,693
Special Industrial, Total	112,466	190,060	111,523	182,302	145,897	183,403
Special Industrial	102,491	166,669	101,743	160,454	8,973	21,360
Absorbent	9,975	23,391	9,781	21,848	136,924	162,043
Tissue Paper	**23,310**	**25,415**	**15,883**	**18,861**	**17,009**	**19,281**
PAPERBOARD TOTAL	**2,771,046**	**1,044,908**	**3,143,405**	**1,086,488**	**2,930,607**	**1,113,040**
Kraft Linerboard (a)	1,886,193	542,304	2,254,544	575,862	2,058,034	630,691
Other Kraft Paperboard (Unbleached)	139,219	60,780	107,142	51,822	110,878	51,270
Corrugating Medium Semichemical	61,422	18,116	73,758	17,144	49,612	12,220
Bleached Packaging Paperboard, Total	525,734	349,614	558,326	371,436	543,217	346,432
Special Food Board	38,130	22,683	22,326	16,274	77,247	39,817
Special Food Board Impr. CTD	465,585	311,909	511,272	344,105	337,431	222,252
Kraft Paperboard, n.e.c.(b)	22,019	15,022	24,728	11,057	128,539	84,363
Recycled Furnish Paperboard, Total	158,478	74,094	149,635	70,224	168,866	72,427
Boxboard & Related Boards (c)	76,728	31,877	57,818	27,908	5,387	3,334
Special Paperboard	32,418	26,295	42,323	29,408	123,368	59,001
Containerboard	49,332	15,922	49,494	12,908	40,111	10,092
WET MACHINE BOARD	**11,089**	**5,939**	**11,624**	**5,420**	**13,782**	**7,335**
CONSTRUCTION PAPER & BOARD, TOTAL	**47,833**	**24,437**	**55,748**	**26,570**	**63,890**	**36,637**
Building Paper	19,748	10,544	20,676	11,633	26,498	17,765
Insulating & Other Building Board	28,085	13,893	35,070	14,937	37,392	18,872
PAPER AND PAPERBOARD PRODUCTS, TOTAL	**575,628**	**834,966**	**584,363**	**763,102**	**568,015**	**762,039**
PAPER PRODUCTS, TOTAL	**315,805**	**591,163**	**311,912**	**535,687**	**286,461**	**516,155**
Cig. Paper Cut to Size, Books, etc.	17,717	46,349	16,280	44,419	1,892	42,808
PAPERBOARD PRODUCTS, TOTAL	**259,823**	**243,804**	**272,451**	**227,415**	**281,554**	**245,884**
Hard Pressed Board (Not in Totals)	**46,793**	**13,921**	**60,405**	**17,949**	**63,865**	**19,576**

(a) - Contains Bleached Kraft Linerboard reported as follows:(Tons) 1979 - 179,995; 1980 - 233,924; 1981 - 151,979; 1982 - 67,595;1983 - 160,253; 1984 - 141,368

(b) - Contains some Bristols and Other Paperboard.

(c) - Excludes Recycled Corrugating Medium.

(d) - Includes Bleached Folding Boxboard - Not Reported Separately.

* Not comparable to prior years

NOTE: Dollar figures for the value of shipment for which no tonnage figures were given are shown below. They are not included in the sub-totals, but are in the Total, All Grades: ($ 000) $8,990 $7,965

TABLE XV

VALUE OF SHIPMENTS OF PRODUCT CLASSES

1977 - 1982

(Millions of Dollars)

SIC CODE		1977	1978	1979	1980	1981	1982R
26	PAPER AND ALLIED PRODUCTS (1)	$50,356.5	$55,064.5	$62,662.7	$70,014.7	$77,294.4	$77,043.2
2611-	**Pulp**	2,466.4	2,499.5	3,077.2	3,911.9	3,971.0	3,644.2
26111	Special Alpha and Dissolving Woodpulp	570.5	550.7	621.9	818.3	715.1	593.8
26112	Other Pulp, Including Byproducts, Exc. Tall Oil	1,894.8	1,948.4	2,450.6	3,087.4	3,249.8	3,046.8#
26110	Pulp, N.S.K.	1.1	0.4	4.7	6.2	6.0	3.6
2621-	**Papermill Products, except Building Paper**	12,438.2	13,535.7	15,784.3	17,710.7	19,936.3	20,056.9
26211	Newsprint	989.3	1,039.8	1,226.1	1,683.9	2,063.0	2,161.6
26212	Groundwood Paper, Uncoated	539.0	593.9	722.7	741.4	842.3	841.5
26213	Clay Coated Printing and Converting Paper	2,260.9	2,572.1	2,824.9	3,160.3	3,581.4	3,787.3
26214	Uncoated Free Sheet	3,352.7	3,761.5	4,665.8	5,442.9	5,765.7	5,530.6
26215	Bleached Bristols (Exc. Cotton Fiber)	474.3	504.4	502.1	494.0	602.8	605.2
26216	Cotton Fiber Paper and Thin Paper (77)	496.1	536.4	645.3	676.6	736.2	599.3
26217	Unbleached Kraft Packaging & Ind. Converting Paper	1,098.7	1,137.7	1,243.9	1,438.6	1,444.4	1,199.8
26218	Packaging and Ind. Conv. Paper, Exc. Unbl. Kraft	560.6	626.8	759.8	719.5	793.3	666.7
26219	Special Industrial Paper	550.7	522.6	575.3	544.1	639.5	942.8
26210	Tissue Paper, and Papermill Products, N.S.K.	2,115.9	2,240.6	2,618.3	2,809.3	3,467.6	3,722.1#
2631-	**Paperboard Mill Products**	6,434.7	6,988.8	8,026.9	9,062.8	10,064.9	9,390.0
26311	Unbleached Kraft Packaging & Ind. Conv. Paperboard	2,697.2	2,939.2	3,542.1	4,069.7	4,575.9	4,076.1
26312	Bleached Packaging & Ind. Converting Paperboard	1,364.6	1,530.1	1,566.5	1,780.9	2,031.3	2,146.0
26313	Semichemical Paperboard	748.9	784.3	967.1	1,069.1	1,158.7	1,012.5
26314	Recycled Paperboard	1,562.7	1,668.2	1,863.3	2,053.7	2,173.0	2,062.1
26318	Wet Machine Board	59.3	63.6	70.4	64.2	76.8	62.8
26310	Paperboard Mill Products, N.S.K.	2.0	(S)	17.4	25.3	49.3	30.4
264-	**Miscellaneous Converted Paper Products**	15,543.4	17,288.5	19,771.2	22,127.1	24,273.3	25,019.6
2641-	**Coated and Glazed Paper**	3,043.2	3,320.2	3,832.1	4,302.4	4,803.4	4,903.1
26411	Printing Paper Coated at Estab. not making Paper	172.0	217.7	233.6	233.4	269.3	241.6
26412	Oiled, Waxed and Wax-Laminated Paper	256.3	257.6	255.5	350.4	368.7	(A)
26413	Gummed Products	187.6	199.2	229.6	259.7	237.7	211.9
26414	Pressure Sensitive Tape and Labels (Unprinted)	1,177.7	1,305.1	1,502.7	1,649.5	1,857.3	1,867.6
26417	Laminated, Coated Rolls, Sheets, for Pkg. Uses	697.1	831.6	927.2	1,060.5	1,238.9	1,329.2#
26418	Other Coated Processed Paper, Except Pkg. & Waxed	421.1	425.7	574.6	632.1	689.7	900.3#
26410	Coated and Glazed, N.S.K.	131.3	(S)	108.8	116.8	141.4	352.6#
26420	**Envelopes(Excluding Stationary Envelopes)**	980.6	1,140.4	1,288.8	1,460.7	1,610.3	1,727.5
2643-	**Bags, Except Textile Bags**	3,304.1	3,819.1	4,200.4	4,621.0	5,037.6	4,772.8
26431	Grocers' & Variety Bags and Shopping Bags	801.6	912.9	985.2	1,129.3	1,209.5	1,163.8#
26432	Specialty Bags and Liners	1,615.7	1,874.7	2,390.9	2,689.8	2,972.7	2,391.6#
26433	Shipping Sacks and Multiwall Bags	672.6	714.0	781.6	760.2	805.8	846.5#
26430	Bags, Except Textile Bags, N.S.K.	214.3	(S)	(S)	(S)	(S)	371.0#
2645-	**Die-Cut Paper and Board**	1,034.3	1,155.5	1,213.9	1,394.5	1,514.8	1,605.1
26451	Office Supplies and Misc. Products	484.9	517.3	671.5	745.3	826.5	797.3#
26452	Pasted, Lined, Laminated, or Coated Paperboard	438.4	474.8	465.6	(529.9)	576.0	684.8#
26450	Die-Cut Paper and Board, N.S.K.	111.0	163.4	(76.8)	119.3	112.3	123.0#
2646-	**Pressed and Molded Pulp Goods**	239.6	221.6	216.7	209.2	246.2	242.3
26461	Bituminous Fiber Pipe,	(D)	(D)	(D)	(D)	(D)	(D)
26462	Other Pressed and Molded Pulp Goods	225.9	209.5	207.8	(200.5)	239.9	(D)
26460	Pressed and Molded Pulp Goods, N.S.K.	(D)	(D)	(D)	(D)	(D)	(D)
2647-	**Sanitary Paper Products**	4,562.3R	5,105.5	6,163.9	7,043.4	7,752.3	8,373.5
26471	Sanitary Napkins and Tampons	588.7	581.0	660.4	775.8	919.2	915.1
26472	Sanitary Tissue Health Products	3,948.0R	4,475.2	5,420.3	6,283.8	6,793.0	7,418.3#
26470	Sanitary Paper Products, N.S.K.	25.6	(S)	83.2	-	40.1	40.1#
2648-	**Stationery Products**	630.5	717.7	751.5	840.8	896.6	959.2
26481	Stationery	141.2	171.1	190.0	235.4	268.4	261.8
26482	Tablets and Related Products	425.5	463.7	497.7	535.6	569.4	603.1
26480	Stationery Products, N.S.K.	63.8	(S)	63.8	69.8	58.9	94.4#
2649-	**Converted Paper Products N.E.C.**	1,748.8	1,808.7	2,103.9	2,255.1	2,412.1	2,436.1
26492	Wrapping Products (Gift Wrap, etc.)	251.5	267.4	344.1	360.0	394.8	389.6#
26493	Wallcoverings	306.5	287.8	325.5	361.1	410.2	396.9
26495	Other Converted Paper and Board Products	948.1	1,032.9	1,199.4	1,233.8	1,270.4	1,304.4#
26490	Converted Paper Products, N.E.C, N.S.K.	242.7	(S)	234.9	(300.1)	336.7	345.2#
265-	**Paperboard Containers and Boxes**	12,959.2	14,187.6	15,439.5	16,684.4	18,548.5	18,932.5
26510	**Bending Paperboard Packaging and Pkg. Components**	2,393.4	2,667.4	2,797.7	3,152.9	3,415.0	3,743.9
26520	**Setup Paperboard Boxes**	377.7	417.0	408.1	447.1	485.0	485.1
26530	**Corrugated and Solid Fiber Boxes, Inc. Pallets**	7,182.8	7,893.9	8,686.9	9,363.5	10,495.9	10,303.1
2654-	**Sanitary Food Containers**	1,964.9	2,065.6	2,251.7	2,392.5	2,627.2	2,555.8
26541	Milk and Other Beverage Cartons (Paperboard)	460.0	465.9	489.5	502.7	512.6	550.5
26542	Cups and Liquid-Tight Containers (Paperboard)	594.1	632.5	724.9	779.3	828.1	885.2
26543	Other Sanitary Food Containers, Boards, and Trays	842.2	917.2	1,034.8	1,108.0	1,299.1	1,077.1#
26540	Sanitary Food Containers, (Paperboard) N.S.K.	48.6	(S)	(S)	(S)	*	43.0#
2655-	**Fiber Cans, Drums, and Similar Products**	1,040.4	1,143.7	1,295.1	1,328.4	1,525.4	1,490.3
26551	Paperboard Fiber Drums	223.8	234.3	299.8	282.6	286.5	289.8
26552	Fiber Cans, Tubes, and Similar Fiber Products	782.6	875.8	956.3	1,004.5	1,188.1	1,152.3
26550	Fiber Cans, Drums and Similar Products, N.S.K.	34.0	(S)	38.9	41.3	50.8	48.2#
2661-	**Building Paper and Board**	514.3	564.4	563.6	517.8	500.4	354.3
26611	Insulating Board	222.2	238.8	231.7	211.3	208.7	188.9
26612	Construction Paper	291.8	325.3	313.2	281.6	253.5	165.3
26610	Building Paper and Board, N.S.K.	0.3	0.3	18.7	24.9	38.2	(Z)

SOURCE: 1982 Census of Manufactures - Bureau of Census
1981 Survey of Manufactures - Bureau of Census
* - Withheld - NSK calculation was a negative number
# - Data based on revised SIC Codes published in the 1982 Census of Manufactures
NOTE: - 1983 data not available at time of publication

R -Revised
N.S.K. - Not Specified by Kind
N.E.C. - Not Elsewhere Classified

(1) Sum of reported data
(A) Not reported separately
(D) Data withheld to avoid disclosure
(S) Not up to statistical standard
(z) Less than half the unit shown

SECTION II

REGIONAL DATA

Table XVI presents data on pulpwood consumption, wood pulp production and paper and paperboard shipments, by major grade groupings for 1984 on a state, divisional and regional basis. The totals are not in full agreement with those shown on Tables I-IX, but the geographic distribution appears to be representative.

The Department of Commerce report from which these data were taken did not report geographic totals for total paper and paperboard. However, the Bureau of the Census made some of the totals available, and these are shown in the table.

Table XVII shows data on capacity for paper and paperboard and for wood pulp by major grade for each of the nine Census Divisions for the years 1970 and 1979-1987, as published in the API's November 1984 Capacity Survey. The table below presents the 1984 percentage distribution of these data for paper and paperboard, by major grade groups, and for total wood pulp.

This table highlights the concentration of wood pulp and paperboard capacity in the South and the importance of paper capacity in the North East and North Central Regions.

1984 CAPACITY

PAPER AND PAPERBOARD

	All Grades	Paper	Paperboard	Other	Wood Pulp Total
	Percentage Distribution				
United States	100.0	100.0	100.0	100.0	100.0
North East	15.6	24.1	6.1	22.8	7.9
New England	7.9	13.7	2.2	2.3	5.5
Middle Atlantic	7.7	10.4	3.9	20.5	2.4
North Central	18.3	22.1	13.6	24.9	8.0
East North Central	15.8	19.4	12.3	10.8	6.5
West North Central	2.5	2.7	1.3	14.1	1.5
South	51.9	40.1	64.8	45.6	67.8
South Atlantic	23.9	16.0	32.6	18.3	31.4
East South Central	13.1	11.0	15.2	14.1	18.6
West	14.3	13.7	15.5	6.7	16.4

TABLE XVI

STATE DATA - 1982

(Short Tons)

Geographic Areas	PULPWOOD CONSUMPTION (R) (Cords)*	WOOD PULP PRODUCTION (R)	PAPER AND PAPERBOARD SHIPMENTS (R)				
			Total All Grades	Paper	Paperboard	Wet Machine Board	Construction Paper
UNITED STATES, TOTAL	**77,573,100**	**50,985,515**	**61,844,423**	**30,150,[illegible]**	**28,912,522**	**172,197**	**447,046**
Northeast	**7,235,163**	**4,529,197**	**(D)**	**7,719,8[illegible]**	**1,633,144**	**(D)**	**(D)**
New England	**4,566,249**	**2,823,991**	**(D)**	**4,365,1[illegible]**	**577,917**	**(D)**	**-**
Maine	(D)	(D)	(D)	3,313,517	(D)	-	-
New Hampshire	(D)	(D)	(D)	327,529	(D)	(D)	-
Vermont	(D)	(D)	(D)	(D)	(D)	-	-
Massachusetts	-	-	678,163	475,333	202,830	-	-
Rhode Island	-	-	-	-	-	-	-
Connecticut	-	-	(D)	(D)	(D)	(D)	-
Middle Atlantic	**2,668,914**	**1,705,206**	**(D)**	**3,554,677**	**1,001,580**	**(D)**	**(D)**
New York	(D)	(D)	(D)	1,465,596	140,336	(D)	(D)
New Jersey	(D)	(D)	(D)	343,543	258,346	(D)	(D)
Pennsylvania	995,942H	1,054,457	(D)	1,545,538	602,898	(D)	(D)
North Central	**6,430,688**	**4,258,208**	**(D)**	**6,533,304**	**3,924,074**	**(D)**	**(D)**
East North Central	**5,212,352**	**3,463,462**	**(D)**	**5,675,382**	**(D)**	**(D)**	**(D)**
Ohio	(D)	(D)	(D)	(D)	929,917	-	(D)
Indiana	(D)H	(D)	(D)	(D)	610,145	-	-
Illinois	(D)H	(D)	(D)	(D)	419,384	(D)	(D)
Michigan	1,236,026	848,758	(D)	1,159,656	(D)	-	-
Wisconsin	2,825,330	1,736,893	(D)	3,427,363	(D)	(D)	(D)
West North Central	**1,038,336**	**794,746**	**(D)**	**857,922**	**(D)**	-	**(D)**
Minnesota	(D)	(D)	(D)	857,922	(D)	-	(D)
Iowa	(D)H	(D)	(D)	-	(D)	-	-
Missouri	(D)H	(D)	(D)	-	(D)	-	(D)
Kansas	-		(D)	-	(D)	-	(D)
South	**50,089,094**	**34,184,957**	**(D)**	**11,630,201**	**19,007,325**	**(D)**	**(D)**
South Atlantic	**23,555,651**	**16,033,758**	**(D)**	**4,490,700**	**9,507,998**	**(D)**	**(D)**
Delaware		-	(D)	(D)	(D)	-	-
Maryland	157,116S	(D)	(D)	(D)	(D)	-	-
Virginia	3,459,537	2,563,129	2,809,433	(D)	1,745,073	(D)	-
West Virginia		-	(D)	(D)	(D)	-	-
North Carolina	3,780,531	2,724,834	2,081,607	(D)	(D)	-	-
South Carolina	2,642,014S	(D)	2,009,227	(D)	(D)	-	-
Georgia	8,060,037	5,414,562	4,718,092	1,099,722	(D)	-	(D)
Florida	4,819,475	3,052,072	2,376,431	(D)	(D)	-	-
East South Central	**13,495,872**	**9,374,165**	**(D)**	**3,517,837**	**4,528,671**	**(D)**	**(D)**
Kentucky	(D)	(D)	(D)	(D)	(D)	-	-
Tennessee	464,990H	(D)	2,131,941	(D)	1,042,164	(D)	(D)
Alabama	7,424,091	5,002,992	(D)	2,023,449	(D)	-	-
Mississippi	(D)	2,009,316	1,582,562	(D)	(D)	-	-
West South Central	**13,037,571**	**8,777,034**	**(D)**	**3,621,664**	**4,970,656**	-	**(D)**
Arkansas	3,333,498	(D)	2,157,569	(D)	(D)	-	(D)
Louisiana	4,915,626	3,200,454	3,733,296	1,350,168	(D)	-	(D)
Oklahoma	781,125S	(D)	(D)	-	(D)	-	(D)
Texas	29,131,143S	2,735,026	(D)	(D)	924,472	-	-
West	**13,818,155**	**8,013,153**	**(D)**	**4,267,556**	**4,347,979**	-	**(D)**
Mountain	**1,913,166**	**1,003,743**	**(D)**	**(D)**	**(D)**	-	-
Montana	(D)S	(D)	(D)	-	(D)	-	-
Idaho	(D)S	(D)	(D)	(D)	(D)	-	-
Colorado	-	-	(D)	-	(D)	-	-
New Mexico	-	-	-	-	-	-	-
Arizona	(D)S	(D)	(D)	(D)	(D)	-	-
Utah	-	-	-	-	-	-	-
Pacific	**11,905,259**	**7,009,419**	**7,881,441**	**(D)**	**(D)**	-	**(D)**
Washington	5,680,974	3,394,319	2,950,880	(D)	(D)	-	-
Oregon	39,174,299	2,656,131	3,146,158	1,494,207	(D)	-	(D)
California	56,556	(D)	1,784,403	(D)	1,164,623	-	(D)
Alaska	(D)S	(D)	-	-	-	-	-

SOURCE: Bureau of the Census - Current Industrial Reports, Pulp, Paper and Board 1982, Series: M26A (80)-13 U.S. Department of Commerce, Washington, DC

* - 128 Cu. Ft. roughwood basis

\- - Represents zero

S - Softwood pulpwood only; hardwood pulpwood data withheld. H - Hardwood pulpwood only; softwood pulpwood data withheld.

(D) - Withheld by Commerce Department to avoid disclosure

(R) - Revised

TABLE XVI

STATE DATA - 1983

(Short Tons)

Geographic Areas	PULPWOOD CONSUMPTION (Cords)*(R)	WOOD PULP PRODUCTION (R)	PAPER AND PAPERBOARD SHIPMENTS				
			Total All Grades	Paper	Paperboard	Wet Machine Board	Construction Paper
UNITED STATES, TOTAL	**82,386,106**	**54,807,535**	**66,938,464**	**32,205,274**	**31,470,079**	**180,913**	**477,163**
Northeast	**7,386,034**	**4,649,921**	**(D)**	**7,921,917**	**1,719,108**	**107,726**	**161,673**
New England	**4,547,118**	**2,849,430**	**(D)**	**4,511,042**	**614,314**	**(D)**	**-**
Maine	(D)	2,481,566	(D)	3,442,814	(D)	-	-
New Hampshire	(D)	(D)	(D)	334,586	(D)	(D)	-
Massachusetts	(D)	(D)	688,639	465,660	222,979	-	-
Vermont	(D)	-	(D)	(D)	(D)	-	-
Rhode Island	(D)	-	-	-	-	-	-
Connecticut	(D)	-	(D)	(D)	(D)	(D)	-
Middle Atlantic	**2,838,916**	**1,800,491**	**(D)**	**3,410,875**	**1,104,794**	**(D)**	**(D)**
New York	(D)	(D)	(D)	1,521,200	186,021	(D)	(D)
New Jersey	(D)	(D)	(D)	356,060	287,757	(D)	(D)
Pennsylvania	(D)	1,102,813	(D)	1,533,615	631,016	(D)	(D)
North Central	**6,684,125**	**4,635,429**	**(D)**	**7,206,885**	**4,247,799**	**(D)**	**(D)**
East North Central	**5,504,564**	**3,700,121**	**(D)**	**6,264,079**	**(D)**	**(D)**	**(D)**
Ohio	(D)	(D)	(D)	(D)	961,392	-	(D)
Indiana	(D)H	(D)	(D)	(D)	641,906	-	-
Illinois	0	-	(D)	(D)	449,755	(D)	(D)
Michigan	(D)	1,008,287	(D)	1,379,187	(D)	-	-
Wisconsin	2,754,629	1,796,402	(D)	3,667,458	(D)	(D)	(D)
West North Central	**1,179,561**	**935,308**	**(D)**	**942,806**	**(D)**	-	**(D)**
Minnesota	1,125,466	844,407	(D)	942,806	(D)	-	29,314
Iowa	(D)H	(D)	-	-	(D)	-	-
Missouri	(D)H	(D)	(D)	-	(D)	-	(D)
Kansas	0		-	-	(D)	-	-
South	**53,129,094**	**36,659,469**	**(D)**	**12,562,492**	**20,655,283**	**(D)**	**(D)**
South Atlantic	**24,814,469**	**17,194,123**	**(D)**	**4,691,441**	**10,171,819**	**(D)**	**(D)**
Delaware		-	(D)	(D)	(D)	-	-
Maryland	(D)	(D)	-	(D)	(D)	-	-
Virginia	20,278,370	2,642,920	3,027,826	(D)	1,869,447	(D)	-
West Virginia		-	(D)	(D)	(D)	-	-
North Carolina	3,915,041	2,942,393	2,071,772	(D)	(D)	-	-
South Carolina	(D)	(D)	2,188,742	(D)	(D)	-	-
Georgia	8,412,723	5,776,116	5,027,872	1,111,134	(D)	-	(D)
Florida	5,374,845	3,426,141	2,610,620	(D)	(D)	-	-
East South Central	**14,622,993**	**10,130,560**	**(D)**	**4,029,818**	**4,998,031**	**(D)**	**(D)**
Kentucky	(D)	(D)	(D)	(D)	125,244	-	-
Tennessee	544,889	(D)	2,257,318	(D)	1,088,195	(D)	(D)
Alabama	7,966,350	5,271,886		2,331,777	(D)	-	-
Mississippi	1,810,656S	2,393,531	1,931,868	(D)	(D)	-	-
West South Central	**13,691,632**	**9,334,786**	**(D)**	**3,841,233**	**5,465,433**	-	**123,400**
Arkansas	14,616,637	(D)	2,298,658	(D)	(D)	-	(D)
Louisiana	5,094,951	3,313,810	3,968,185	1,441,440	(D)	-	(D)
Oklahoma	(D)	(D)	(D)	26,263	(D)	-	(D)
Texas	(D)	2,965,232	(D)	(D)	1,074,501	-	-
West	**15,186,853**	**8,862,716**	**(D)**	**4,513,980**	**4,847,889**	-	**(D)**
Mountain	**2,146,420**	**1,204,353**	**(D)**	**(D)**	**(D)**	-	-
Montana	(D)S	(D)	(D)	-	(D)	-	-
Idaho	(D)S	(D)	(D)	(D)	(D)	-	-
Colorado	-	-	(D)	-	(D)	-	-
New Mexico	-	-	-	-	-	-	-
Arizona	(D)S	(D)	(D)	(D)	(D)	-	-
Utah	-	-	-	-	-	-	-
Pacific	**12,152,017**	**7,658,363**	**8,807,914**	**(D)**	**(D)**	-	**(D)**
Washington	6,302,881	3,758,081	3,226,105	(D)	(D)	-	-
Oregon	4,526,108	2,844,926	3,447,045	1,548,330	(D)	-	(D)
California	(D)	(D)	2,134,764	(D)	1,212,942	-	(D)
Alaska	(D)S	(D)	-	-	-	-	-

SOURCE: Bureau of the Census - Current Industrial Report, Pulp, Paper and Board 1982 and 1983 Series M26A (81)-1 U.S. Department of Commerce, Washington, D.C.

* - 128 Cu. Ft. roughwood basis

\- - Represents zero

S - Softwood pulpwood only; hardwood pulpwood data withheld.

H - Hardwood pulpwood only; softwood pulpwood data withheld.

(D) - Withheld by Commerce Department to avoid disclosure.

R - Revised

TABLE XVII

CAPACITY OF PAPER, PAPERBOARD AND WOOD PULP BY CENSUS DIVISION

1970 - 1987

ANNUAL CAPACITY - 000 SHORT TONS

	Total Paper & Paper-board	PAPER					PAPERBOARD			
		Total	Newsprint	Printing Writing & Related	Packaging & Ind. Converting	Tissue	Total	Unbleached Kraft Total	Unbleached Kraft Liner-board	Solid Bleached
New England										
1970*	4,748	3,660	417	2,419	367	457	895	-	-	34
1979	5,664	4,586	341	3,247	489	510	891	-	-	35
1980	5,712	4,644	323	3,322	459	541	891	-	-	N.A.
1981	5,740	4,791	N.A.	3,500	441	542	832	-	-	N.A.
1982	5,787	4,901	N.A.	3,600	457	547	811	-	-	N.A.
1983	5,881	4,997	N.A.	3,736	436	533	818	-	-	N.A.
1987	6,259	5,365	N.A.	4,041	462	544	830	-	-	N.A.
Middle Atlantic										
1970*	6,354	3,411	149	1,926	300	1,036	2,087	-	-	-
1979	6,540	3,869	192	2,257	239	1,181	1,941	-	-	-
1980	6,452	3,890	N.A.	2,312	224	1,155	1,912	-	-	-
1981	6,316	3,920	N.A.	2,356	225	1,135	1,769	-	-	-
1982	6,037	3,803	N.A.	2,313	222	1,060	1,702	-	-	-
1983	5,929	3,842	N.A.	2,351	236	1,048	1,531	-	-	-
1987	6,099	4,063	N.A.	2,451	245	1,160	1,451	-	-	-
East North Central										
1970*	10,057	5,070	113	3,197	628	1,132	4,021	-	-	124
1979	11,066	6,004	138	3,952	677	1,237	4,254	-	-	-
1980	11,253	6,202	140	4,056	768	1,237	4,238	-	-	N.A.
1981	11,481	6,386	N.A.	4,236	758	1,251	4,357	-	-	N.A.
1982	11,330	6,597	N.A.	4,417	773	1,268	4,410	-	-	N.A.
1983	11,644	6,902	N.A.	4,622	801	1,339	4,453	-	-	N.A.
1987	12,476	7,601	N.A.	5,217	841	1,403	4,556	-	-	N.A.
West North Central										
1970*	1,587	594	-	571	23	-	438	-	-	-
1979	1,842	832	-	830	1	-	441	-	-	-
1980	1,856	850	-	834	17	-	440	-	-	-
1981	1,819	846	-	828	18	-	450	-	-	-
1982	1,810	875	-	860	N.A.	-	459	-	-	-
1983	1,835	954	-	940	N.A.	-	467	-	-	-
1987	1,953	1,054	-	1,038	N.A.	-	496	-	-	-
South Atlantic										
1970*	13,623	3,520	339	1,275	1,723	182	9,514	6,194	5,770	1,382
1979	16,397	4,407	458	1,900	1,703	346	11,229	7,174	6,667	1,858
1980	16,945	4,746	676	1,985	1,699	386	11,409	7,469	6,945	1,788
1981	17,297	4,898	762	2,017	1,722	397	11,620	7,712	7,234	1,688
1982	17,576	5,245	780	2,083	1,964	419	11,686	7,771	7,352	1,684
1983	17,717	5,441	818	2,119	2,019	406	11,674	7,713	7,281	1,696
1987	18,829	6,276	1,017	2,791	1,994	473	12,131	8,042	7,603	1,804
East South Central										
1970*	7,137	2,792	833	747	739	473	3,439	2,232	2,168	626
1979	8,054	3,134	918	1,184	523	508	4,531	2,815	2,519	716
1980	8,515	3,408	1,061	1,335	506	505	4,744	3,008	2,679	717
1981	8,922	3,529	1,112	1,399	502	516	5,041	3,296	2,934	723
1982	9,183	3,731	1,118	1,567	508	538	5,105	3,324	2,934	735
1983	9,635	3,938	1,130	1,764	486	558	5,326	3,371	2,968	729
1987	10,371	4,329	1,071	2,363	251	645	5,640	3,556	3,154	755
West South Central										
1970*	7,106	3,188	721	1,130	1,247	88	3,172	1,704	1,442	871
1979	9,998	4,185	1,054	1,382	1,449	300	5,178	2,977	2,476	1,175
1980	10,267	4,437	1,159	1,504	1,445	329	5,194	2,964	2,484	1,197
1981	10,375	4,517	1,342	1,494	1,311	370	5,254	2,948	2,470	1,253
1982	10,946	4,525	1,343	1,540	1,213	429	6,025	3,521	3,005	1,240
1983	10,719	4,549	1,335	1,540	1,231	442	5,789	3,568	3,154	1,239
1987	11,782	5,092	1,158	2,276	1,125	533	6,313	3,799	3,387	1,413
Mountain and Pacific										
1970*	8,340	3,571	888	954	913	817	4,053	2,177	2,136	435
1979	9,473	4,161	1,098	1,304	972	787	4,970	2,580	2,538	483
1980	9,716	4,483	1,279	1,451	953	800	4,881	2,526	2,479	441
1981	10,305	4,820	1,587	1,472	937	824	5,143	2,782	2,735	439
1982	10,449	4,988	1,770	1,429	924	865	5,223	2,785	2,741	431
1983	10,637	5,053	1,853	1,480	855	865	5,391	2,859	2,814	434
1987	11,302	5,354	1,881	1,176	835	861	5,757	2,955	2,907	437

* Total capacity at end of year.
N.A. Not Available - = Zero

TABLE XVII (Cont.)

CAPACITY OF PAPER, PAPERBOARD AND WOOD PULP BY CENSUS DIVISION

1970 - 1987

ANNUAL CAPACITY - 000 SHORT TONS

	PAPERBOARD (Cont.)		Con-struction Paper & Board	WOOD PULP							
							Sulphate				
	Semi-Chemical	Recycled		Total **	Dis-solving	Sulphite	Bl. & Semi-Bl.	Un-bleached (1)	Semi-chemical	Mechan-ical	For Con-struction (2)
New England											
1970*	179	682	192	2,797	-	484	1,061	48	140	953	100
1979	195	660	187	3,252	-	252	1,714	78	148	928	132
1980	N.A.	663	176	3,253	-	N.A.	1,757	70	N.A.	908	130
1981	N.A.	667	118	3,243	-	N.A.	1,816	N.A.	N.A.	952	105
1982	N.A.	680	73	3,317	-	N.A.	1,848	N.A.	N.A.	1,023	79
1983	N.A.	688	66	3,298	-	N.A.	1,890	N.A.	N.A.	971	80
1987	N.A.	699	65	3,335	-	N.A.	1,924	N.A.	N.A.	981	82
Middle Atlantic											
1970*	-	2,087	856	1,357	-	143	312	-	325	247	244
1979	-	1,941	729	1,452	-	243	471	-	353	218	167
1980	-	1,912	651	1,465	-	245	486	-	364	221	150
1981	-	1,769	626	1,504	-	N.A.	501	-	385	221	146
1982	-	1,702	532	1,474	-	N.A.	504	-	405	190	120
1983	-	1,531	557	1,473	-	N.A.	490	-	418	189	120
1987	-	1,451	585	1,472	-	N.A.	494	-	426	189	120
East North Central											
1970*	1,128	2,769	966	3,209	-	567	601	165	987	462	427
1979	1,290	2,964	808	3,431	-	532	805	207	1,232	290	364
1980	1,475	2,762	813	3,532	-	535	834	216	1,284	319	344
1981	1,545	2,810	738	3,549	-	536	817	N.A.	1,305	362	309
1982	1,579	2,829	323	3,422	-	516	842	N.A.	1,322	387	130
1983	1,607	2,844	309	3,465	-	485	893	N.A.	1,338	398	122
1987	1,684	2,880	309	3,956	-	476	1,290	N.A.	1,372	465	126
West North Central											
1970*	176	262	555	959	-	44	206	24	265	266	153
1979	132	308	570	944	-	-	258	18	170	194	304
1980	63	377	566	899	-	-	265	17	100	195	322
1981	N.A.	386	523	905	-	-	-----281------		N.A.	197	331
1982	N.A.	395	476	875	-	-	-----277------		N.A.	236	318
1983	N.A.	403	413	850	-	-	-----293------		N.A.	245	268
1987	N.A.	433	403	893	-	-	-----305------		N.A.	271	273
South Atlantic											
1970*	1,103	834	589	14,598	600	2	4,222	8,163	913	385	313
1979	1,145	1,053	760	16,766	607	-	5,707	8,779	875	358	441
1980	1,116	1,037	790	17,364	658	-	5,842	9,014	879	509	462
1981	1,158	1,062	779	17,814	656	-	6,064	9,159	893	593	448
1982	1,141	1,090	645	18,171	641	-	6,287	9,302	896	601	445
1983	1,130	1,136	601	18,164	620	N.A.	6,432	9,208	847	625	432
1987	1,085	1,201	521	19,129	598	N.A.	7,379	9,221	839	834	256
East South Central											
1970*	333	248	906	7,586	285	-	2,481	2,820	429	844	634
1979	651	349	389	8,679	215	-	3,714	3,232	577	738	203
1980	672	347	363	9,251	N.A.	-	3,956	3,435	590	852	189
1981	669	353	352	9,653	N.A.	-	4,046	3,695	582	892	189
1982	682	364	347	9,750	N.A.	-	4,188	3,644	575	889	190
1983	854	372	371	10,212	N.A.	-	4,439	3,674	722	911	211
1987	942	377	402	11,271	N.A.	-	5,497	3,568	774	941	232
West South Central											
1970*	352	245	747	7,069	-	-	2,969	2,829	259	694	319
1979	708	319	634	9,824	-	-	3,795	4,304	603	886	237
1980	708	326	635	10,059	-	-	3,896	4,326	620	979	238
1981	717	336	603	10,356	-	-	4,005	4,393	651	1,070	237
1982	909	357	396	10,907	-	-	4,044	4,724	823	1,165	151
1983	615	367	381	10,359	-	-	4,048	4,553	458	1,169	130
1987	732	370	377	10,817	-	-	4,489	4,444	544	1,228	113
Mountain and Pacific											
1970*	485	957	716	8,896	883	1,163	2,147	2,950	366	787	597
1979	743	1,164	341	9,288	729	977	2,506	3,369	594	961	151
1980	720	1,193	352	9,391	703	885	2,658	3,273	620	1,086	163
1981	706	1,215	342	9,807	693	824	2,801	3,507	600	1,208	175
1982	733	1,274	238	9,722	702	761	2,780	3,525	586	1,289	80
1983	748	1,352	192	9,768	649	793	2,816	3,531	590	1,307	81
1987	786	1,578	191	9,995	646	734	2,975	3,631	588	1,336	86

(1) Includes screenings.
(2) Excludes defibrated/exploded pulp capacity of mills that produce hard pressed board, 1979-1987.
* Total capacity at end of year.
** Includes soda pulp for 1970 as follows (000 Tons): New England - 10, Middle Atlantic - 86, East South Central - 93, Mountain and Pacific - 4. Other years included in sulphate pulp.
N.A. Not Available - = Zero

SECTION III

INPUTS AND RELATED DATA

This section presents data on the inputs of labor and materials required to manufacture paper and paperboard. It also presents data on capital expenditures, labor productivity and expenditures for research and development.

Table XVIII shows the data on fuel and energy use by the paper industry. Data are shown for the years 1972—the first year such data were collected by the Energy and Materials Department of the API—and 1980-1984. This table traces the major shifts in the types of fuels the paper industry used since the first oil crisis of 1972. At that time the industry required 75 million barrels of fuel oil, which produced 21.3% of the energy total. By 1984, use of fuel oil was reduced to 27.5 million barrels, supplying only 7.6% of the industry's energy requirements.

In that same period use of natural gas was curtailed by 24%, falling from 433 billion cubic feet, which accounted for 21% of the total, to 333 billion cubic feet, accounting for 14.8% of the total. The gainers were coal, going from 9.0 to 13.3 million tons, and purchased electricity, which rose from 27.2 billion kilowatt hours to 43.7 billion KWH.

Perhaps more important, however, was the total reduction in use of fossil fuel and purchased electric energy. In 1972 the 59.5% of the total energy used by the paper industry came from fossil fuel and purchased electric energy, supplying 1.24 quads (million billion BTU's) of energy. The 1984 figures were 44.8% and 988 quads, respectively.

The increase in self-generated energy was largely concentrated in hogged fuels and bark, reflecting large investments in bark burners. In 1972 this source of energy supplied 6.5% of the total; in 1984, 15.7%. Spent liquor (solids) increased as a source of energy, from 33.4% to 38.3%, reflecting the growing importance of kraft wood pulp as a paper industry fibrous raw material.

In addition to these shifts, there was a major reduction in the amount of energy required to produce a ton of output. Total energy used rose 6.6% from 2.097 quads in 1972 to 2.235 quads in 1984, while output of paper, paperboard and market wood pulp rose by more than 32%.

Tables XIX and XX present data on the use of recyclable paper and the manufacture of paper and paperboard.

Table XIX shows that the use of recyclable paper has stabilized in relation to the total paper and paperboard production during the past ten years or so. In 1974, for example, consumption of recyclable paper as a percentage of total paper and board production was 23.6%; in 1982 it was again 23.6% and in 1984 strengthened slightly to 24.0%. However, the 1984 consumption total was a high of 16.9 million tons.

Table XIX also shows that the share of total new supply of paper and paperboard recovered for recyclable uses has also leveled, but only in the past five years or so. Thus, in 1979, the recyclable paper recovery rate (total recyclable paper recovered as percentage of total new supply of paper and board) was 25.8%. In 1980 it strengthened to a high 26.8% and has since remained above the 26% level. In 1984 the ratio was 26.6%.

Table XX shows data on the use of recyclable paper by type. The major type continues to be used corrugated, which accounted for nearly half of the total used in the U.S. in 1984 and 39% of the total exported. Used corrugated includes not only the boxes collected from final users, such as retail stores, but also waste containerboard shipped to the mills from the box plants.

The total and market wood pulp production data shown inTables XXIA and XXIB are compiled from reports of the API's Pulp, Materials and Technology Divisions. In addition, estimates are shown for production of defibrated and exploded wood pulp and for screenings; API does not collect production data for these grades. The estimates are based on information collected as part of the API's Annual Capacity Surveys.

The wood pulp consumption data for 1972-1983 in Table XXII are taken from Bureau of the Census reports. The data for defibrated and screening pulps, however, are based on data collected as part of the API's Capacity Survey. The reported Census totals include wood pulp for hard pressed board. The 1984 data are API estimated based on available data.

Table XXIII shows data on wage rates and employment in the paper and allied products industry by major industry groupings. This information is drawn from the Bureau of Labor Statistics data. The BLS does supply additional information on sectors within these groups, and such information may be obtained directly from that source.

Table XXIV combines the information of the employment trends shown in Table XXIII with the output trends shown in the initial tables of this report. The data show output per employee hour and output per all employees at pulp, paper and board mills for the period 1947 through 1984. The 1947-1983 data were published by the Bureau of Labor Statistics of the U.S. Department of Labor. The data were based on the output totals as reported by the Department of Commerce, where each grade of production of paper, paperboard and wood pulp was weighted according to its value. The data on employee hours and employment based upon information published in the Annual Censuses of Surveys of Manufactures, and thus were limited to employees at pulp, paper and paperboard mills and plants. They exclude employees at headquarters and others outside the actual producing establishments.

The 1984 data were estimated by the Economics Department of the American Paper Institute on the basis of the employment trends published by the Bureau of Labor Statistics, as shown on Table XXIII, and the output data as reported by the API.

Viewed from the longer term perspective, the increase in output per employee hour for all employees averaged 2.6% a year in the 1974-1984 period, compared to 3.9% per year in the 1964-1974 period and 4.4% per year in the decade preceding 1964.

Table XXV presents data on compensation of employees and related information as published by the Bureau of Economic Analysis as part of the Gross National Products Accounts. At the time of publication of this report, the BEA had not yet published data for 1984. However, it was possible to estimate the 1984 data on the basis of the BLS reports.

Table XXVI presents information on new plant and equipment expenditures by the paper industry. The first column shows the expenditures by paper and allied products companies as reported by the BEA in the Survey of Current Business. BEA publishes these data each quarter, and is the only current source of government data on paper industry capital expenditures. The data shown in Column 1 refer to expenditures by paper and allied products companies, that is, those companies whose major line of business is in the paper and allied products industry. Many of these companies also have significant operations outside the paper industry, and capital expenditures for these purposes are included in the total. Companies that are engaged only in paper converting are also included, some of these may have large capital expenditures at other than paper industry establishments.

The other columns in this table show expenditures on new plant and equipment at paper and allied products establishments, regardless of ownership. This information is published by the Bureau of the Census in its Censuses and Surveys of Manufactures. When the 1983 data are available, API will recompile this table. Copies may then be obtained from the API upon request.

The data on expenditures by paper and allied products companies for the period 1974 through 1983 have been revised by the BEA. These revisions reflect a re-benchmarking of the information to the 1972 Census of Manufactures. By and large they resulted in reductions in the estimates, particularly those for the more recent years. These reductions brought the data more closely in line with the expenditure data shown by Census at paper and allied products establishments.

The 1982 data reported by the Bureau of the Census reflected a 100% survey of all the establishments. The revised 1982 figure published by the BEA brought the BEA total to a level only 10% greater than that of the Census total, well within the range of differences the two series showed in earlier years. This gives greater credence to the estimates presented for 1984, which show capital expenditures by paper companies in excess of $7 billion, a remarkably high total for an industry whose total sales, as presented in Table XXI, were about $72 billion.

Table XXVII is broken into two parts: XXVIIA, which shows data on capital expenditures for environmental protection as published by the National Council of the Paper Industry for Air and Stream Improvement and Table XXVIIB, which shows data on research and development expenditures by paper companies.

The NCASI data show that capital expenditures by the paper industry for environmental protection has generally leveled off during the past few years, both in total and as a percent of total capital expenditures. In that period the totals fluctuated in a relatively narrow range around the $300 million level.

The lower rate of expenditures reflects the fact that the paper industry has generally met the standards of the various clean air and water acts. The present level largely reflects expenditures at new mills and those necessary to keep existing equipment up-to-date.

The table also shows that through 1984 paper companies spent over $6 billion on capital expenditures for environmental protection.

The data on research and development expenditures for the period through 1982 are reported by the National Science Foundation. The figures show a rising trend of expenditures by the industry, although even in 1982, when over $600 million were spent, the total was somewhat less than 1% of total sales volume. These expenditures for the 1983-1985 period are those published by McGraw Hill's Department of Economics in their regular surveys of capital expenditures by American industry. Their surveys suggest that the same forces that drove capital expenditures down in 1984 (as shown on Table XXVI), also affected R & D expenditures.

Estimates by the Bureau of Economic Analysis on total capital expenditures in 1985 indicate an increase to $8.1 billion. This is consistent with McGraw Hill expectations of rising expenditures in research and development and the NCASI estimate of capital expenditures for environmental protection.

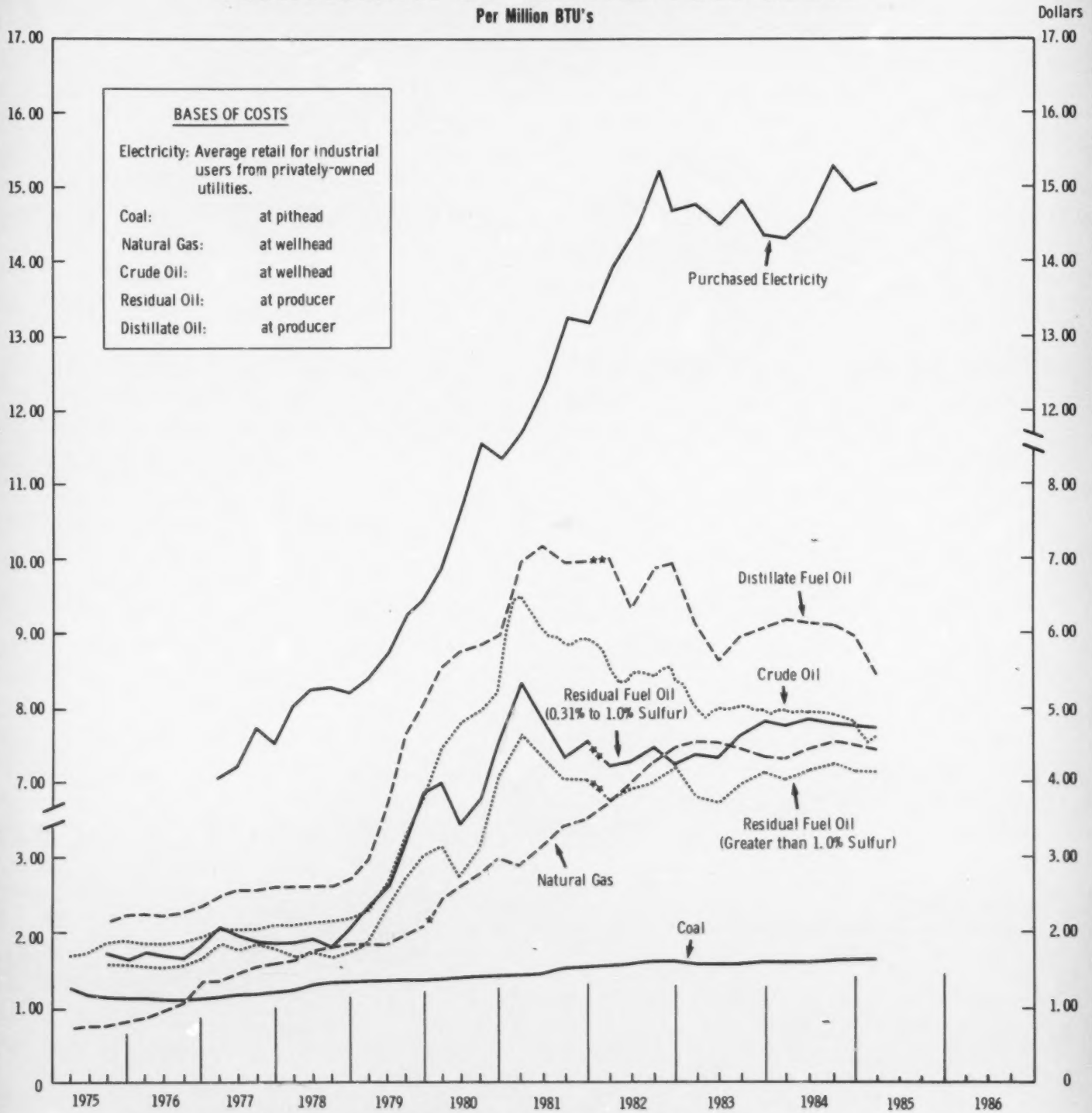
Table XXVIII presents data on wood supply and demand. These are the same data published in our last few reports and are the most recent information available from the U.S. Department of Agriculture on ownership of timberlands and growth/removal data. They are included here because of the importance of this information to the paper industry. Unfortunately these reports are only published once every ten years or so, and the interim reports do not include an update of this table.

ENERGY & MATERIALS DEPARTMENT
AMERICAN PAPER INSTITUTE
260 Madison Avenue, New York, N.Y. 10016

Chart 2

COMPARISON OF SELECTED FUEL COSTS

Per Million BTU's



* NATURAL GAS data for 1975 through 1979 are based on the Dept. of Energy - EIA Monthly Energy Review information for industrial users. This information has been discontinued. Beginning with data for the First Quarter, 1980 data are based on price indices for natural gas published by the Bureau of Labor Statistics.

** RESIDUAL FUEL OIL and DISTILLATE FUEL OIL data for 1975 through 1981 are based on the Dept. of Energy - EIA Monthly Energy Review information for industrial users. This information has been discontinued. Beginning with the First Quarter, 1982, data are based on price indices published by the Bureau of Labor Statistics.

Coal data are based on bituminous coal figures published by the Bureau of Labor Statistics and Survey of Current Business.

Source: Dept. of Energy - EIA Monthly Review and Dept. of Labor - Bureau of Labor Statistics.

JULY 1985

TABLE XVIII

UNITED STATES

PULP, PAPER AND PAPERBOARD INDUSTRY

ESTIMATED FUEL AND ENERGY USE

1972, 1980 - 1984

SOURCE	Units	1972*R Estimated Use	1972*R Billion BTU's	1972*R % of Total+	1980* Estimated Use	1980* Billion BTU's	1980* % of Total+	1981* Estimated Use	1981* Billion BTU's	1981* % of Total+
Purchased Electricity	MM KWH	27,255.9	92,666.0	4.4	39,701.0	134,982.3	6.2	41,163.3	139,998.9	6.5
Purchased Steam	MM lbs	19,679.2	22,764.7	1.1	12,882.1	14,909.4	0.7	12,996.9	15,077.9	0.7
Coal	M Tons	9,022.0	224,355.5	10.6	9,210.2	226,898.9	10.4	10,075.1	246,380.4	11.4
Residual Fuel Oil	M 42 gal BBLs	71,326.7	448,650.0	21.3	55,368.7	348,309.6	16.0	41,890.6	263,598.4	12.2
Distillate Fuel Oil	M 42 gal BBLs	3,722.2	22,159.9	1.0	1,357.7	8,103.9	0.4	1,320.2	7,886.2	0.4
Liquid Propane Gas	M gal	28,655.3	2,636.9	0.1	21,193.0	1,955.7	0.1	22,255.8	2,050.1	0.1
Natural Gas	MMCF	433,931.0	442,373.5	21.0	375,215.8	384,450.1	17.7	394,445.4	403,184.1	18.6
Other Purchased Energy			1,644.4	0.1		5,421.7	0.2		2,826.1	0.1
Energy Sold			(13,212.9)			(-21,740.4)			(-21,710.4)	
Total Purchased Fossil Fuel and Energy			1,244,038.0	59.6		1,103,291.2	51.7		1,059,291.7	50.0
Hogged Fuel (50% Moisture Content)	M Tons	5,226.0	42,385.3	2.0	14,296.0	118,656.3	5.4	17,816.9	149,136.8	6.9
Bark (50% Moisture Content)	M Tons	10,417.5	95,061.9	4.5	11,874.1	103,488.5	4.8	12,032.8	104,210.9	4.8
Spent Liquor (Solids)	M Tons	55,545.4	703,075.3	33.3	65,615.0	811,305.6	37.3	66,982.9	811,699.4	37.5
Self-Generated Hydroelectric Power	MM KWH	2,690.2	9,150.8	0.4	2,449.9	8,328.9	0.4	2,772.7	9,428.9	0.4
Other Self-Generated Energy			3,004.2	0.2		8,389.0	0.4		8,084.9	0.4
Total Self-Generated & Waste Fuels			852,670.7	40.4		1,050,168.3	48.3		1,082,560.9	50.0
Total Energy			2,096,708.7	100.0		2,153,459.5	100.0		2,141,852.6	100.0

* Based on a sample of 91.3% of total dried pulp, paper and paperboard for 1972, 91.3% for 1980, and 92.6% for 1981.
\+ Determined by using "Total Energy" + "Energy Sold" as a denominator.
R Revised

SOURCE: Energy and Materials Department; Pulp, Materials and Technology Group; American Paper Institute.

TABLE XVIII (Cont.)

UNITED STATES

PULP, PAPER AND PAPERBOARD INDUSTRY

ESTIMATED FUEL AND ENERGY USE

1972, 1980 - 1984

		1982R*			1983R*			1984*		
SOURCE	Units	Estimated Use	Billion BTU's	% of Total+	Estimated Use	Billion BTU's	% of Total+	Estimated Use	Billion BTU's	% of Total+
Purchased Electricity	MM KWH	39,194.4	133,395.7	6.5	41,027.8	139,629.2	6.4	43,737.5	148,848.3	6.6
Purchased Steam	MM lbs	12,641.2	14,492.3	0.7	15,559.8	17,395.5	0.8	18,062.7	20,441.7	0.9
Coal	M Tons	10,345.0	251,980.7	12.3	12,184.2	301,091.2	13.9	13,338.4	329,538.2	14.6
Residual Fuel Oil	M 42 gal BBLs	36,786.6	231,901.7	11.3	32,651.3	205,628.9	9.5	26,251.6	165,354.1	7.3
Distillate Fuel Oil	M 42 gal BBLs	972.4	5,771.4	0.3	985.3	5,865.9	0.3	1,215.6	7,243.3	0.3
Liquid Propane Gas	M gal	27,377.8	2,517.2	0.1	25,196.7	2,317.1	0.1	34,489.4	3,168.2	0.1
Natural Gas	MMCF	332,442.7	341,063.0	16.7	309,966.8	315,228.2	14.5	329,506.4	335,107.1	14.8
Other Purchased Energy			3,200.4	0.2		3,042.5	0.1		3,460.7	0.2
Energy Sold			(19,142.0)			(22,579.3)			(25,295.5)	
Total Purchased Fossil Fuel and Energy			965,180.4	48.1		967,619.2	45.6		987,866.1	44.8
Hogged Fuel (50% Moisture Content)	M Tons	20,043.8	167,307.3	8.1	25,752.0	215,273.4	9.9	27,305.6	230,293.0	10.2
Bark (50% Moisture Content)	M Tons	13,023.4	112,610.9	5.5	13,739.8	119,218.4	5.5	14,704.1	128,509.8	5.7
Spent Liquor (Solids)	M Tons	62,350.3	766,596.0	37.4	68,940.4	824,974.1	38.0	72,782.3	866,599.2	38.3
Self-Generated Hydroelectric Power	MM KWH	2,836.9	9,653.3	0.5	2,853.1	9,709.7	0.5	3,034.6	10,328.8	0.5
Other Self-Generated Energy			7,912.9	0.4		11,600.0	0.5		11,252.8	0.5
Total Self-Generated & Waste Fuels			1,064,080.4	51.9		1,180,775.6	54.4		1,246,983.6	55.2
Total Energy			2,029,260.8	100.0		2,148,394.8	100.0		2,234,849.7	100.0

* Based on a sample of 93.8% of total dried pulp, paper and paperboard for 1982, 92.4% for 1983, and 91.5% for 1984.
\+ Determined by using "Total Energy" + "Energy Sold" as a denominator.
R Revised

SOURCE: Energy and Materials Department; Pulp, Materials and Technology Group; American Paper Institute.

TABLE XIX

UNITED STATES

RECYCLABLE PAPER UTILIZATION AND RECOVERY

1970 - 1984

(Thousands of Tons)

YEAR	Paper and Board Production	New Supply Paper and Board	Recyclable Paper Consumption at Paper & Board Mills	Recyclable Paper Utilization Rate	Recyclable Paper for Molded Pulp, Insulation and Other Uses	Exports	Imports	Total Recyclable Paper Recovered	Recyclable Paper Recovery Rate
1970	51,671	55,969	11,803	22.8%	418	408	(67)	12,562	22.4%
1971	53,162	57,451	12,106	22.8%	442	419	(68)	12,899	22.4%
1972	57,434	62,040	12,925	22.5%	447	415	(88)	13,699	22.1%
1973	59,900	65,003	14,094	23.5%	499	683	(87)	15,189	23.4%
1974R	59,040	63,308	13,982	23.6%	489	1,307	(89)	15,689	24.8%
1975R	50,976	54,113	11,748	23.0%	535	861	(72)	13,072	24.2%
1976R	58,329	62,015	13,622	23.3%	630	1,273	(106)	15,419	24.9%
1977R	60,040	64,241	14,058	23.4%	870	1,512	(92)	16,348	25.4%
1978R	62,047	67,787	14,760	23.7%	502	1,599	(70)	16,791	24.8%
1979R	64,345	69,796	15,361	23.8%	509	2,233	(78)	18,025	25.8%
1980R	63,536	67,103	14,922	23.4%	473	2,664	(87)	17,972	26.8%
1981R	64,263	67,961	15,037	23.3%	488	2,213	(79)	17,659	26.0%
1982R	60,985	64,763	14,433	23.6%	489	2,127	(74)	16,975	26.2%
1983R	66,920	71,339	15,638	23.4%	485	2,573	(100)	18,596	26.1%
1984P	70,557	77,246	16,947	24.0%	485	3,235	(110)	20,557	26.6%

Paper and Board Production includes all grades of paper, paperboard, wet machine board, construction paper and board, excluding hard pressed board.

New Supply equals production plus imports less exports, excluding hard pressed board. Imports and exports include paper and paperboard converted products.

Utilization Rate is the ratio of recyclable paper consumption to total production of paper and board.

Recovery Rate is the ratio of recyclable paper collected to new supply of paper and paperboard.

Total Recyclable Paper Recovered is the sum of Recyclable Paper Consumption at Paper and Board Mills, other uses and exports less imports.

P - Preliminary

R - Revised

TABLE XX

UNITED STATES

RECYCLABLE PAPER RECOVERY

1977-1984

(Thousands of Tons)

GRADE AND YEAR	Consumption at Paper and Board Mills	Consumption for Molded Pulp, Insulation and Other Uses	Exports	Sub Total	Imports	Total
Used Corrugated						
1977	6,205	-	592	6,797	(30)	6,767
1978	6,721	-	577	7,298	(7)	7,291
1979	6,967	-	960	7,927	(11)	7,916
1980	6,866	-	1,209	8,075	(13)	8,062
1981	6,910	-	991	7,901	(12)	7,889
1982	6,770	-	887	7,657	(11)	7,646
1983R	7,443	-	993	8,436	(14)	8,422
1984P	8,136	-	1,261	9,397	(17)	9,380
Old Newspapers						
1977	2,057	870	316	3,243	(42)	3,201
1978	2,000	502	366	2,868	(6)	2,862
1979	2,321	509	336	3,166	(4)	3,162
1980	2,391	473	425	3,289	(10)	3,279
1981	2,372	488	425	3,285	(9)	3,276
1982	2,486	489	439	3,414	(12)	3,402
1983R	2,508	485	461	3,454	(18)	3,436
1984P	2,832	485	539	3,856	(15)	3,841
Mixed Papers						
1977	2,773	-	341	3,114	-	3,114
1978	2,729	-	471	3,200	(52)	3,148
1979	2,648	-	648	3,296	(57)	3,239
1980	2,268	-	649	2,917	(55)	2,862
1981	2,233	-	474	2,707	(50)	2,657
1982	1,707	-	497	2,204	(45)	2,159
1983R	1,908	-	705	2,613	(62)	2,551
1984P	2,072	-	886	2,958	(69)	2,889
Pulp Substitutes						
1977	2,079	-	263	2,342	(20)	2,322
1978	2,242	-	92	2,334	(2)	2,332
1979	2,308	-	154	2,462	(4)	2,458
1980	2,254	-	205	2,459	(9)	2,450
1981	2,307	-	192	2,499	(8)	2,491
1982	2,247	-	164	2,411	(1)	2,410
1983R	2,456	-	190	2,646	(5)	2,641
1984P	2,539	-	252	2,791	(6)	2,785
High Grade Deinking						
1977	944	-	-	944	-	944
1978	1,068	-	93	1,161	(3)	1,158
1979	1,117	-	135	1,252	(2)	1,250
1980	1,142	-	176	1,318	(*)	1,318
1981	1,216	-	130	1,346	(*)	1,346
1982	1,224	-	140	1,364	(6)	1,358
1983R	1,323	-	225	1,548	(1)	1,547
1984P	1,368	-	297	1,665	(3)	1,662
Total All Grades						
1977	14,058	870	1,512	16,440	(92)	16,348
1978	14,760	502	1,599	16,861	(70)	16,791
1979	15,361	509	2,233	18,103	(78)	18,025
1980	14,922	472	2,664	18,058	(87)	17,971
1981	15,037	488	2,213	17,738	(79)	17,659
1982	14,433	489	2,127	17,049	(74)	16,975
1983R	15,638	485	2,573	18,696	(100)	18,596
1984P	16,947	485	3,235	20,667	(110)	20,577

SOURCE: 1977-1983 API Capacity Surveys
1984 API Paper Recycling Division

* Less than 500 tons R = Revised P = Preliminary - = Zero

TABLE XXIA

UNITED STATES PRODUCTION OF WOOD PULP

1972 - 1984

(000 Short Tons)

	1972	1973	1974	1975	1976	1977R	1978R	1979R	1980R	1981R	1982R	1983R	1984
WOOD PULP, TOTAL[1]	44,561	46,359	45,948	41,604	45,520	47,978	48,866	50,833	52,231	53,397	50,329	53,438	56,455
Total API Grades[2]	43,589	45,287	44,837	40,606	45,400	46,648	47,434	49,363	50,736	52,042	49,334	52,453	55,575
Sp. Alpha & Dissolving Grades	1,677	1,673	1,772	1,368	1,485	1,465	1,408	1,500	1,[illegible]38	1,353	1,092	1,261	1,206
Paper and Board Grades	42,882	44,686	44,176	40,236	45,034	46,513	47,458	49,333	50,721	52,045	49,237	52,177	55,249
API Paper & Board Grades	41,910	43,614	43,065	39,238	43,914	45,183	46,026	47,863	49,226	50,690	48,242	51,192	54,369
Total Sulfite	2,129	2,293	2,304	2,025	2,169	2,042	1,747	1,773	1,844	1,802	1,587	1,616	1,619
Bleached Sulfite	1,796	1,920	1,914	1,659	1,750	1,653	1,418	1,378	1,459	1,403	1,242	1,306	1,359
Unbl. Sulfite	333	373	390	366	419	389	329	395	385	399	345	310	260
Total Sulfate	31,379	32,587	32,483	29,382	33,601	34,856	36,114	37,640	38,591	39,644	37,891	40,697	43,113
Bl. & Semi-Bl.[3]	14,109	14,999	15,500	14,154	15,775	16,451	17,103	18,060	19,000	20,070	19,721	21,107	22,350
Unbl. Sulfate	17,270	17,588	16,983	15,228	17,826	18,405	19,011	19,580	19,591	19,574	18,170	19,590	20,763
Total Groundwood	4,607	4,842	4,490	4,412	4,311	4,408	4,134	4,392	4,766	5,320	5,064	5,067	5,537
Stone and Refiner	4,607	4,842	4,490	4,412	4,311	4,047	3,632	3,755	3,602	3,735	3,395	3,225	3,361
Thermo-mechanical						362	502	637	1,164	1,584	1,669	1,842	2,176
Semichemical	3,795	3,892	3,788	3,419	3,833	3,876	4,031	4,058	4,025	3,924	3,700	3,812	4,100
Total Other	972	1,072	1,111	998	1,120	1,330	1,432	1,470	1,495	1,355	995	1,045	880
Defib. or Exploded[4]	850	950	980	890	1,010	1,120	1,122	1,070	975	850	625	695	600
Scr., Damaged[5]	122	122	131	108E	110E	110E	110E	100E	80E	90E	20E	30E	30E
Groundwood						100E	200E	300E	440	415	350	320	250E

SOURCE: Pulp, Materials and Technology Group - API

1/ These totals are comparable to the capacity data published on Table XIII, Wood Pulp Capacity. Excludes defibrated and exploded wood pulp for hardboard.

2/ Excludes Total Other

3/ Includes Soda Pulp

4/ Estimated to exclude wood pulp for hardboard. Source of original data is Bureau of the Census.

5/ Source: 1972-1974: U.S. Bureau of the Census

E - Estimated

TABLE XXIB

UNITED STATES PRODUCTION OF MARKET WOOD PULP

1972 - 1984

(000 Short Tons)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983R	1984
MARKET WOOD PULP, TOTAL	5,025	4,925	5,139	4,358	4,864	4,803	5,122	5,678	6,464	6,202	5,732	6,518	6,898
Sp. Alpha & Dissolving	1,674	1,494	1,611	1,232	1,370	1,462	1,403	1,497	1,506	1,350	1,089	1,252	1,204
Paper Grade Chemical Total	3,303	3,409	3,492	3,079	3,428	3,263	3,638	4,117	4,889	4,852	4,643	5,255	5,680
Bleached Sulfite	468	465	392	314	292	219	231	248	348	263	205	230	262
Unbleached Sulfite	13	21	5	8	24	13	19	28	32	3	0	0	0
Bl. & Semi- Bl. Sulfate	2,705	2,813	2,905	2,670	2,999	2,895	3,291	3,729	4,377	4,442	4,315	4,883	5,264
Unbleached Sulfate	117	110	190	87	113	136	97	112	132	144	123	142	154
Paper Grades - Other	48	22	36	47	66	78	81	63	69	0	1	11	14

SOURCE: Pulp, Materials and Technology Group - API

TABLE XXII

UNITED STATES CONSUMPTION OF PULPWOOD, WOOD PULP AND OTHER FIBROUS MATERIALS

IN PAPER AND PAPERBOARD MILLS

1972 - 1984

(000 Short Tons)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983R	1984
WOOD PULP, TOTAL*	**45,928**	**47,267**	**46,736**	**40,863**	**45,894**	**46,824**	**48,223**	**50,058**	**51,181**	**51,437**	**48,412**	**52,154**	**55,259**
Special Alpha and Dissolving Grades	77	73	58	42	36	44	42	42	41	38	31	27	26
Bleached Sulfite	2,161	2,009	2,136	1,768	1,985	1,884	1,587	1,726	1,664	1,591	1,303	1,588	1,764
Unbleached Sulfite	458	526	547	442	501	481	407	468	464	464	390	448	406
Bleached Sulfate	13,595	14,341	14,608	12,919	14,447	15,228	16,043	16,685)	18,941[1/]	18,992	18,885RS	20,371	21,402
Semi-bleached Sulfate	1,797	1,812	1,626	1,453	1,517	1,378	1,795	1,769)					
Unbleached Sulfate	17,971	18,437	17,825	15,430	17,527	18,149	18,694	19,307)	19,707	19,887	18,158	19,808	21,006
Soda	213	221	231	166	121	121	118	127)					
Groundwood	4,807	4,935	5,004	4,546	5,085	4,497	4,281	4,396	4,277	4,391	3,808	4,097	4,298
Thermomechanical	-	-	-	-	-	368	441	559	1,078	1,468	1,471	1,581	1,869
Semichemical	3,754	3,785	3,628	3,120	3,546	3,521	3,609	3,860	3,948	3,666	3,721RS	3,563	3,868
Defibrated or Expl. E	962	993	916	849	993	1,019	1,075	1,015	955	850	625	700	600
Scrgs, Damaged, etc.	135	137	157	125	135	134	131	104	106	90	20	20	20
OTHER FIBROUS MAT., TOTAL	**13,817**	**14,977**	**14,820**	**12,373**	**14,364**	**14,884**	**15,584**	**16,088**	**15,524**	**15,629**	**14,882**	**16,069**	**17,397**
Recyclable Paper	12,925	14,094	13,982	11,748	13,622	14,058	14,760	15,361	14,922	15,037	14,433	15,638	16,947
All Other, incl. Straw, Rags, etc.	892	883	838	625	742	826	824	727	602	592	449	431	450
PULPWOOD, TOTAL**	**71,840**	**73,576**	**74,459**	**65,421**	**73,209**	**73,970**	**77,290**	**79,566**	**79,703**	**81,178**	**76,257**	**85,442**	**87,646**
Softwood	53,751	54,868	54,634	48,932	54,789	55,509	57,096	58,654	58,809	59,631	55,954	61,947	62,558
Hardwood	18,089	18,708	19,825	16,489	18,420	18,461	20,194	20,912	20,894	21,547	20,303	23,495	25,008
Receipts of Residues	27,346	25,751R	29,949R	28,694	28,165	29,653	30,380	30,015	29,402	30,590	31,152	32,755	32,072
CONSUMPTION OF WOOD PULP IN OTHER THAN PAPER AND PAPERBOARD MILLS													
TOTAL WOOD PULP	**1,118**	**1,047**	**1,152**	**785**	**886**	**879**	**884**	**909**	**825**	**788**	**N.A.**	**N.A.**	**N.A.**
Sp.Alpha & Dis. Grades	929	869	937	600	705	702	676	701	629	609	N.A.	N.A.	N.A.
Other Wood Pulps	189	178	216	185	181	177	208	208	196	179	N.A.	N.A.	N.A.

SOURCE: Consumption in paper and board mills of wood pulp - 1972-1982 - Bureau of the Census, Industry Division
1983 - American Paper Institute
Consumption of recyclable paper - American Paper Institute
Consumption of other fibrous materials - Bureau of the Census, Industry Division, 1971-1980; 1981-1983, A.P.I.
Consumption of pulpwood - American Pulpwood Association

* Includes figures for Alaska; excludes wood pulp for hard pressed board.
** Includes slabs, chips and mill waste. All pulpwood data in thousands of cords.
R - Revised E - Estimated by American Paper Institute
Note: Details may not add to totals due to rounding of figures to nearest thousand.
Recyclable paper consumption - Bureau of the Census data (000 tons)
1972 - 11,703; 1973 - 12,374; 1974 - 12,098; 1975 - 10,367; 1976 - 11,874; 1977 - 12,103;
1978 - 12,586; 1979 - 13,012; 1980 - 12,583; 1981 - 12,872; 1982 - 13,563; 1983 - 14,037; 1984 - Not Available
1/ Soda included in bleached and semibleached sulfate wood pulp.
N.A. - Not Available RS - Revised Series; based on API data

TABLE XXIII

WAGE RATES AND EMPLOYMENT

PAPER AND ALLIED PRODUCTS INDUSTRY

1966 - 1984

YEAR	Average Hourly Earnings (Dollars)	Average Weekly Earnings (Dollars)	Average Weekly Hours	Employees	
				Total	Production Workers
				(Thousands)	
PAPER AND ALLIED PRODUCTS - SIC 26					
1966	2.75	119.35	43.4	666.9	518.2
1967	2.87	122.84	42.8	679.1	526.3
1968	3.05	130.85	42.9	691.2	536.2
1969	3.24	139.32	43.0	711.1	550.6
1970	3.44	144.14	41.9	705.5	543.2
1971	3.67	154.51	42.1	681.9	521.8
1972	3.95	169.06	42.8R	688.9	531.6
1973	4.20	180.18	42.9	704.6	543.1
1974	4.53	191.17R	42.2	706.1	544.3
1975	5.01	208.42	41.6	642.0	479.7
1976	5.47	232.48	42.5	675.5	508.3
1977	5.96	255.68	42.9	691.6	518.2
1978	6.52	279.71	42.9	698.7	524.7
1979	7.13	303.74	42.6	706.8	535.6
1980	7.84	330.85	42.2	692.8	522.7
1981	8.60	365.50	42.5	688.5	518.4
1982	9.32	389.58	41.8	662.4	493.9
1983	9.94	423.44	42.6	661.6	494.7
1984	10.44	449.96	43.1	682.3	512.8
PAPER AND PULP* - SIC 261,262,266					
1966	3.02	135.30	44.8	215.1	169.9
1967	3.16	139.99	44.3	217.1	170.5
1968	3.35	149.08	44.5	217.7	170.2
1969	3.58	160.38	44.8	222.7	173.6
1970	3.80	166.06	43.7	218.8	168.6
1971	4.05	177.80	43.9	208.8	160.6
1972	4.37	194.03	44.4	206.5	160.6
1973	4.66	208.77	44.8	208.7	162.7
1974	5.00	222.50	44.5	210.7	164.0
1975	5.54	240.44	43.4	196.8	150.3
1976	6.12	272.95	44.6	203.9	156.4
1977	6.75	302.40	44.8	205.4	157.3
1978	7.44	334.80	45.0	200.1	151.1
1979	8.26	372.53	45.1	205.9	154.7
1980	9.15	407.18	44.5	203.3	152.2
1981	10.06	449.68	44.7	203.8	153.2
1982	10.87	480.45	44.2	198.5	149.0
1983	11.71	521.10	44.5	199.3	149.9
1984	12.45	560.25	45.0	204.9	154.3
PAPER MILLS EXCEPT BUILDING PAPER - SIC 262					
1972	4.36	194.46	44.6	179.2	138.6
1973	4.64	209.26	45.1	180.8	140.1
1974	4.97	222.66	44.8	182.7	141.1
1975	5.32	240.67	43.6	170.9	129.5
1976	6.10	273.89	44.9	176.4	134.2
1977	6.70	300.83	44.9	175.7	133.6
1978	7.43	336.58	45.3	170.3	127.6
1979	8.24	374.92	45.5	176.8	131.5
1980	9.09	408.14	44.9	175.0	129.7
1981	10.00	454.00	45.4	175.6	130.9
1982	10.86	485.44	44.7	171.3	127.2
1983	11.70	524.16	44.8	173.7	129.1
1984	12.46	563.19	45.2	178.9	133.2

* Includes Building Paper and Board Mills

SOURCE: Bureau of Labor Statistics, Employment and Earnings, Tables B-2 and C-2, U.S. Department of Labor, Washington, D.C.

NOTE: Data on hours and earnings refer to Production Non-Supervisory Workers. R - Revised

TABLE XXIII (Cont.)

WAGE RATES AND EMPLOYMENT

PAPER AND ALLIED PRODUCTS INDUSTRY

1966 - 1984

YEAR	Average Hourly Earnings (Dollars)	Average Weekly Earnings (Dollars)	Average Weekly Hours	Employees	
				Total	Production Workers
				(Thousands)	
PAPERBOARD - SIC 263					
1966	3.06	138.62	45.3	71.2	55.9
1967	3.19	142.59	44.7	72.1	56.4
1968	3.37	152.32	45.2	72.0	57.2
1969	3.61	163.53	45.3	71.1	56.4
1970	3.86	171.77	44.5	71.1	56.8
1971	4.14	184.23	44.5	66.0	51.4
1972	4.47	200.70	44.9	66.0	52.6
1973	4.78	212.23	44.4	66.1	52.5
1974	5.14	225.65	43.9	65.5	52.3
1975	5.74	243.95	42.5R	60.8	47.9
1976	6.40	280.32	43.8	65.6	52.2
1977	6.94	312.30	45.0	66.9	52.4
1978	7.67	340.55	44.4	67.3	52.8
1979	8.38	367.88	43.9	65.5	51.9
1980	9.28	408.32	44.0	65.1	51.0
1981	10.23	450.12	44.0	63.5	49.8
1982	11.11	474.40	42.7	60.4	46.7
1983	12.12	526.01	43.4	58.9	45.1
1984	12.99	576.76	44.4	59.1	45.3
MISCELLANEOUS CONVERTED PAPER PRODUCTS - SIC 264					
1966	2.48	104.16	42.0	171.2	125.3
1967	2.60	107.38	41.3	175.5	128.8
1968	2.77	113.99	41.3	179.8	131.6
1969	2.94	121.30	41.4	187.6	136.4
1970	3.12	126.05	40.4	190.1	138.4
1971	3.36	136.42	40.6	190.2	139.2
1972	3.61	151.26	41.9	196.4	143.1
1973	3.85	161.32	41.9	205.4	148.8
1974	4.19	173.05	41.3	210.6	155.8
1975	4.57	185.09	40.5	190.5	133.6
1976	4.92	202.21	41.1	200.8	140.8
1977	5.33	219.60	41.2	210.2	147.5
1978	5.82	239.20	41.1	217.8	155.9
1979	6.31	259.34	41.1	221.4	163.7
1980	6.89	279.73	40.6	219.6	162.7
1981	7.58	310.02	40.9	220.1	162.0
1982	8.20	332.10	40.5	213.5	154.7
1983	8.71	361.47	41.5	212.9	154.7
1984	9.08	378.64	41.7	222.1	162.1
PAPERBOARD CONTAINERS & BOXES - SIC 265					
1966	2.56	109.06	42.6	209.3	167.1
1967	2.66	110.92	41.8R	214.4	170.7
1968	2.82	117.88	41.9	221.7	177.2
1969	3.00	125.10	41.7	229.6	184.2
1970	3.18	128.79	40.5	225.5R	179.3R
1971	3.40	139.06	40.9	216.8R	170.6R
1972	3.64	151.06	41.5	219.9	175.3R
1973	3.88	160.63	41.4	224.5	179.0
1974	4.16	168.06	40.4	219.3	172.2
1975	4.59	186.35	40.6	193.9	148.0
1976	4.95	204.44	41.3	205.2	158.9
1977	5.36	224.05	41.8	209.1	161.0
1978	5.89	247.97	42.1	213.5	164.9
1979	6.37	263.08	41.3	214.0	165.4
1980	6.94	285.93	41.2	204.9	156.8
1981	7.53	312.50	41.5	201.2	153.5
1982	8.16	329.66	40.4	190.0	143.6
1983	8.59	358.20	41.7	190.5	145.0
1984	8.90	376.47	42.3	196.2	151.0

SOURCE: Bureau of Labor Statistics, Employment and Earnings, Tables B-2 & C-2, & Labstat Series Report, U.S. Dept. of Labor, Wash.,DC
NOTE: Data on hours and earnings refer to Production and Non-Supervisory Workers. R - Revised

TABLE XXIV

PULP, PAPER AND BOARD MILLS

OUTPUT PER MAN-HOUR

1947 - 1984

YEAR	Output per Employee Hour		Output	Employee Hours	
	Production Workers	All Employees		Production Workers	All Employees
			1977 = 100		
1947	29.4	32.4	31.7	108.0	97.9
1948	N.A.	N.A.	33.0	N.A.	N.A.
1949	31.3	33.8	30.7	98.0	90.7
1950	35.0	38.1	36.7	104.8	96.3
1951	36.8	39.8	40.0	108.7	100.6
1952	36.3	38.9	38.0	104.7	97.6
1953	36.3	38.9	40.6	111.8	104.3
1954	37.9	40.4	41.4	109.1	102.5
1955	40.4	43.2	46.4	114.9	107.3
1956	42.5	45.1	49.2	115.7	109.1
1957	42.9	45.1	47.9	111.7	106.3
1958	44.1	46.2	48.1	109.1	104.2
1959	46.9	49.0	53.6	114.4	109.4
1960	48.8	50.6	54.8	112.2	108.3
1961	52.2	53.9	56.5	108.3	104.9
1962	54.2	56.0	59.5	109.8	106.3
1963	57.4	59.3	62.7	109.2	105.8
1964	60.3	62.3	66.7	110.6	107.0
1965	63.7	65.4	70.6	110.9	107.9
1966	66.9	68.7	76.1	113.8	110.8
1967	66.1	67.6	75.9	114.8	112.2
1968	69.9	71.9	81.6	116.8	113.5
1969	72.5	74.8	85.9	118.5	114.9
1970	75.8	77.5	85.1	112.2	109.8
1971	80.1	81.0	86.0	107.3	106.2
1972	86.7	87.9	92.8	107.0	105.6
1973	90.2	91.5	97.1	107.7	106.1
1974	90.5	91.5	96.7	106.8	105.7
1975	87.7	86.7	82.1	93.6	94.7
1976	95.0	95.0	95.6	100.6	100.6
1977	100.0	100.0	100.0	100.0	100.0
1978	103.7	103.2	102.4	98.7	99.2
1979	106.2	105.4	106.0	99.8	100.6
1980	106.4	105.2	105.3	99.0	100.1
1981	105.5	104.4	102.4	97.1	98.1
1982	108.4	106.3	98.2	90.6	92.4
1983	118.0	115.8	107.5	91.1	92.8
1984E	119.8	118.1	113.1	94.4	95.8

SOURCE: U.S. Department of Labor - Bureau of Labor Statistics.
E - Estimated by A.P.I.

TABLE XXV

COMPENSATION OF EMPLOYEES IN THE PAPER AND ALLIED PRODUCTS INDUSTRY

IN THE GROSS NATIONAL PRODUCT ACCOUNTS

1948 - 1984

YEAR	COMPENSATION OF EMPLOYEES			Corporate Capital Consumption Allowance	Number of Full Time Equivalent Employees (000)	Number of Full Time & Part Time Employees (000)	Average Annual Earnings per Full Time Equivalent Employee (Dollars)
	Total	Wages and Salaries	Supplements to Wages & Salaries*				
	(Millions of Dollars)						
1948	1,577	1,501	76	122	470	470	3,194
1949	1,548	1,465	83	140	451	453	3,248
1950	1,788	1,686	102	154	482	485	3,498
1951	2,057	1,923	134	179	504	510	3,815
1952	2,143	2,004	139	204	497	504	4,032
1953	2,375	2,224	151	234	523	533	4,252
1954	2,457	2,292	165	275	522	534	4,391
1955	2,684	2,499	185	338	537	551	4,654
1956	2,919	2,712	207	370	554	570	4,895
1957	3,038	2,812	226	419	555	567	5,067
1958	3,117	2,868	249	464	542	558	5,292
1959	3,436	3,152	284	474	567	582	5,559
1960	3,596	3,288	308	496	576	592	5,708
1961	3,791	3,464	327	541	582	599	5,952
1962	4,042	3,678	364	653	598	615	6,151
1963	4,222	3,828	394	665	605	622	6,327
1964	4,446	4,028	418	721	607	625	6,636
1965	4,696	4,250	446	734	628	640	6,768
1966	5,133	4,616	517	771	656	667	7,037
1967	5,415	4,876	539	837	672	680	7,256
1968	5,885	5,267	618	898	681	691	7,734
1969	6,496	5,768	728	955	705	713	8,182
1970	6,788	5,994	794	1,007	694	702	8,637
1971	7,039	6,172	867	1,060	669	679	9,226
1972	7,708	6,704	1,004	1,167	674	684	9,947
1973	8,466	7,290	1,176	1,249	689	700	10,581
1974	9,216	7,885	1,333	1,281	688	701	11,461
1975	9,350	7,921	1,429	1,435	628	642	12,613
1976	10,909	9,167	1,742	1,667	662	673	13,847
1977	12,192	10,182	2,011	1,889	679	692	14,996
1978	13,498	11,219	2,258	2,126	690	700	16,259
1979	14,965	12,379	2,538	2,128	697	707	17,760
1980	16,212	13,384	2,828	2,564	681	691	19,653
1981	17,640	14,537	3,103	2,842	679	687	21,409
1982	18,246	15,007	3,239	3,249E	650	664	23,088
1983	19,665	15,985	3,680	4,117E	649	661	24,630
1984E	21,700	17,600	4,100	4,400	670	680	26,270

SOURCE: Bureau of Economic Analysis, Department of Commerce, Gross National Product Accounts, Table 6

* Total Less Wages and Salaries

E - Estimated by A.P.I.

TABLE XXVI

PAPER AND ALLIED PRODUCTS

CAPITAL EXPENDITURES

1947 - 1984

(Million Dollars)

YEAR	BY PAPER AND ALLIED PRODUCTS COMPANIES	AT PAPER AND ALLIED PRODUCTS ESTABLISHMENTS								
			PRIMARY MILLS					CONVERTED PLANTS		
		Total SIC 26	Total Primary 261-3, 266	Pulp Mills 261	Paper Mills 262	Paperboard Mills 263	Building Paper & Board Mills 266	Total Converting 264,5	Converted Paper Products 264	Paperboard Containers & Boxes 265
1947	370	407	291	86	205		a	116	64	52
1948	383	N.A.								
1949	298	315	212		212a		a	103	52	51
1950	327	299	212		212a		a	87	51	36
1951	420	389	263		263a		a	126	61	65
1952	364	371	274		274a		a	97	61	36
1953	409	397	276		276a		a	121	74	47
1954	455	533	371		371a		a	162	162	
1955	510	556	389		389a		a	167	167	
1956	800	750	548		548a		a	202	106	96
1957	810	767	585		585a		a	182	182	
1958	570	634	417	43	259	102	13	218	82	136
1959	650	686	453	92	215	117	29b	233	791	154
1960	770	658	442	35	246	136	25b	216	1071	109
1961	620	685	473	49	285	108	31b	212	99	113
1962	620	742	459	34	277	126	22b	283	122i	161
1963	700	708	440	39	233	160	8	270	129	141
1964	910	902	589	67	296	214	12	313	153	160
1965	1,020	1,186	826	112	496	200	18	359	180	179
1966	1,320	1,422	961	113	575	255	18	461	212	249
1967	1,490	1,585	1,122	122	581	399	20	463	226	237
1968	1,220	1,238	766	77	487	185	17	473	231	242
1969	1,620	1,421	879	133	555	158	33	543	263	280
1970	1,740	1,397	882	122	503	239	18	516	289	227
1971	1,290	1,197	755	135	374	228	18	442	262	180
1972	1,460	1,335	841	136	372	314	19	495	289	206
1973	1,990	1,530	997	119	508	344	26	531	304	227
1974	2,880R	2,214	1,558	136	723	637	63	657	315	342
1975	2,930R	2,718	1,959	294	832	807	26	759	412	347
1976	2,990R	3,010	2,282	375	1,044	844	19	729	394	335
1977	3,480R	3,295	2,367	301	1,115	934	17	928	507	421
1978	3,800R	3,736	2,638	195	1,424	1,000	19	1,100	604	496
1979	5,240R	4,447*	3,231	240	1,714	1,229	48	1,216	725	491
1980	6,520R	5,128*	3,726	250	1,897	1,539	40	1,402	774	628
1981	6,110R	5,202	3,957	521	2,435	974	27	1,245	746	499
1982	5,600R	5,087	3,820	659	1,869	1,278	14	1,267	780	487
1983	5,920R	N.A.								
1984	7,150	N.A.								

SOURCE: Paper and Allied Products Companies, Bureau of Economic Analysis
Paper and Allied Products Establishments, Bureau of the Census

NOTE: Establishment data for 1982, 1977, 1972, 1967, 1962, 1958, 1954 and 1947 from Census of Manufactures; data for other years from Survey of Manufactures.

NOTES: (a) Capital expenditures at building paper and board mills included with expenditures at pulp, paper and board mills.
(b) Data as originally published.
(i) Imputed from available data.

N.A. Not Available R - Revised

* Based on revised sampling techniques which resulted in some understatement of the total.

TABLE XXVIIA

PULP AND PAPER INDUSTRY ENVIRONMENTAL PROTECTION

CAPITAL EXPENDITURES THROUGH 1984 AND PLANNED THROUGH 1985

1966-1985

(Million Dollars)

YEAR	Water	Air	Solid Waste Disposal From Manufacturing	Total	Percent of Total Capital Expenditures
1966	270	129	10	409	
1967	44	31(E)	1(E)	76	
1968	49	43(E)	1(E)	93	
1969	74	52(E)	2(E)	128	
1970	120	65(E)	2(E)	187	
1971	134	66	2.5	203	
1972	205	129	5	339	38
1973	179	162	10	351	34
1974	216	296	11	523	31
1975	286	341	18	645	30
1976	319	216	29	564	29
1977	278	148	17	443	19
1978	182	149	32	363	16
1979	178	158	23	359	12
1980	140	190	38	368	9
1981	91	120	49	260	6
1982	81	214	23	318	9
1983	118	149	60	327	6
1984	62	130	34	226	6
Through 1984	3,026	2,788	368	6,182	
Planned 1985	96	165	50	311	

SOURCE: National Council of the Paper Industry for Air and Stream Improvement
(E) - Estimate

TABLE XXVIIB

PAPER AND ALLIED PRODUCTS

EXPENDITURES ON

RESEARCH AND DEVELOPMENT

1966 - 1985

(Million Dollars)

YEAR	Total Expenditures
1966	117
1967	128
1968	144
1969	188
1970	178
1971	187
1972	189
1973	194
1974	237
1975	249
1976	313
1977	333
1978	387
1979	445
1980	495
1981	566
1982	626
1983	730*
1984	665*
1985	722*

SOURCE: National Science Foundation
* McGraw Hill Economics Department Estimate

TABLE XXVIII

WOOD SUPPLY AND DEMAND

	Total	New England States	Middle Atlantic States	Lake States	Central States	Southern States	Pacific Coast States	Rocky Mountain States
	Million Acres							
Commercial Forest Land in U.S. January 1, 1977	482.5	31.0	46.4	47.6	41.2	188.0	70.5	57.8
Ownership by Forest Industry Companies	68.8	9.7	3.2	4.2	0.8	36.2	12.5	2.1
% of Industry	14.3%	31.4%	6.9%	8.8%	2.0%	19.3%	17.8%	3.6%
	Million Cubic Feet							
All Species								
Total Growth	21,664	1,345	1,795	1,617	1,035	10,705	3,478	1,690
Removals	14,229	639	663	719	637	6,571	4,154	845
Mortality	3,925	226	322	529	142	1,121	1,087	498
Removals and Mortality as Percent of Growth	83.8%	64.4%	54.9%	77.2%	75.3%	71.9%	150.7%	79.5%
Softwoods								
Total Growth	12,285	838	229	463	69	6,158	2,938	1,589
Removals	10,046	396	103	181	25	4,471	4,028	842
Mortality	2,303	137	54	130	7	512	1,003	459
Removals and Mortality as Percent of Growth	100.5%	63.6%	68.6%	67.3%	46.7%	80.9%	171.2%	81.8%
Hardwoods								
Total Growth	9,380	506	1,566	1,154	965	4,547	541	100
Removals	4,183	244	560	538	612	2,100	126	3
Mortality	1,622	88	268	399	135	609	84	39
Removals and Mortality as Percent of Growth	61.9%	65.6%	52.9%	81.2%	77.4%	59.6%	38.8%	42.1%

New England States	Middle Atlantic States	Lake States	Central States	Southern States	Pacific Coast States	Rocky Mountain States
Connecticut	Delaware	Michigan	Illinois	North Carolina	Alaska	Idaho
Maine	Maryland	Minnesota	Indiana	South Carolina	Oregon	Montana
Massachusetts	New Jersey	North Dakota	Iowa	Virginia	Washington	South Dakota (West)
New Hampshire	New York	South Dakota (East)	Kansas	Florida	California	Wyoming
Rhode Island	Pennsylvania	Wisconsin	Kentucky	Georgia	Hawaii	Arizona
Vermont	West Virginia		Missouri	Alabama		Colorado
			Nebraska	Mississippi		Nevada
			Ohio	Tennessee		Mexico
				Arkansas		Utah
				Louisiana		
				Oklahoma		
				Texas		

SOURCE: An Analysis of the Timber Situation in the United States 1952-2030, U.S. Department of Agriculture, Forest Service, Forest Resource Report No. 23, December 1982. Commercial Forest Land and Ownership Table 3.4. Data refer to 1976 Growth, Removals and Mortality Table 3.45

SECTION IV
FINANCIAL DATA ON THE PAPER INDUSTRY

Table XXIX shows detailed data on the financial structure of paper and allied products industry for the period 1950 through 1984. These data are drawn from quarterly reports published in the Quarterly Financial Reports for Manufacturing, Mining and Trade. Ever since the fourth quarter of 1982, this report has been published by the Bureau of the Census; prior to that it was published jointly by the Federal Trade Commission and Securities and Exchange Commission and then by the Federal Trade Commission alone.

The data shown represent the summation of the quarterly totals reported. None of these agencies published the annual totals separately.

The table includes duplicate numbers for many of the years shown. At the end of each year, the agency compiling the report surveys the companies included in each category, and shifts those that have changed to other industries. They then recompute the previous years' data, utilizing the current sample. The timing of this review in 1980 led to three separate estimates of the paper and allied products industry totals, with the final set actually incomplete. The estimates for that year were based upon discussions by the API with the Federal Trade Commission staff.

In 1984, no such revisions were necessary and the totals are consistent with those published in 1983. The figures show a strong increase in sales of companies included in the paper and allied products industry by the Bureau of the Census, with the total reaching a record high of nearly $72 billion, 10% above the previous high of $65 billion established in 1983. Over the entire period since 1950, the increase in sales averaged 7.4% per year.

The depreciation totals, however, have been in a steady uptrend throughout the years shown in this table. The cash flow shown in the next to last column of Table XXIX, page 62, reflects the net profit after taxes plus depreciation, and measures the total cash available through the company for dividends, reinvestment and other purposes. The ratio of cash flow to net sales has moved in a very narrow range during the past thirty years, with nearly all the ratios between 8% and 9.5%.

This table also traces the growth of assets and net worth. The huge capital investment program of the industry brought the net value of property, plant and equipment to $34.6 billion as of the end of 1984, 55% above the level reached only five years earlier. This $12 billion net gain in the value of property, plant and equipment was accomplished with an increase in long-term debt of only $2.8 billion. The ratio of long-term debt to total capital as of the end of 1984 was 32.9%, compared to 32.2% at the end of 1979 and 29.5% ten years earlier.

Table XXX shows the wholesale and producer price indexes for the paper and allied products industry as published by the Bureau of Labor Statistics.

The Bureau of Labor Statistics is in the process of completely revamping its producer's price index series, moving it to a coding system that matches the Standard Industrial Classification Codes of the Office of Management and Budget used in repoting production data. The price indexes presented here do not include all the available information, however, because some of the new indexes are too recent to give any indication of trends. Many of the old price indexes are no longer published, as indicated by the number that were not available in 1984. In the paperboard sub-group, the price indexes shown in the table had different codes than those used earlier. The new price indexes are now reported only in terms of paperboard furnish, and only two are fully consistent with the earlier indexes.

Table XXXI presents data on the paper and allied products industry as published in the Annual Censuses and Surveys of Manufactures. The data for 1983 are those shown in the final report of the 1982 Census of Manufactures, which are revised slightly from the preliminary data. In addition, data on value added are now available.

The tables on this page outline the cost structure of the paper industry for all of the 17 industries that comprise the Paper and Allied Products Industry Group (SIC 26). Thus, they show total payroll costs, cost of materials and the value of shipments. In addition, data on capital expenditures and inventories are also shown.

The value of shipment data here are based on shipments from each of the establishments that comprise the industries shown. This is somewhat different from the value of shipments of the paper and allied products presented on Table XV: In that earlier table the value of the products is shown on a "wherever-made basis."

The shipments from each establishment are included in the total even if the product goes to another mill or to another establishment in the same company. Thus, the value of industry shipments shown here are not consistent with the sales totals of individual companies. However, the cost data shown for each industry are fully consistent.

When the 1983 data are available, the API will recompile this table. Copies will then be available from the API upon request.

TABLE XXIX

PAPER AND ALLIED PRODUCTS INDUSTRY

PROFIT AND LOSS DATA, CASH INFLOW AND SELECTED BALANCE SHEET DATA

1950 - 1984

(Millions of Dollars)

YEAR	Net Sales	Net Profit Before Taxes	Income Taxes	Net Profit After Taxes	Net Profit After Taxes To Net Sales (%)	Depreciation	Cash Inflow	Gross Cash Flow
1950	6,377	982	424	558	8.8	162	720	1,144
1951	8,022	1,417	858	559	6.9	183	742	1,600
1952	7,688	1,000	563	437	5.7	222	659	1,222
1953	8,371	1,005	554	450	5.4	242	692	1,246
1954	8,492	970	493	479	5.6	268	718	1,211
1955	9,847	1,206	601	604	6.1	310	914	1,515
1956	10,686	1,283	626	657	6.1	360	1,017	1,643
1957	10,420	1,020	497	521	5.0	376	897	1,394
1958[1]/	10,256	899	440	460	4.5	406	866	1,306
1958[2]/	10,658	987	481	506	4.7	423	929	1,410
1959	11,824	1,204	585	619	5.2	459	1,078	1,663
1960	11,764	1,135	546	587	5.0	480	1,069	1,613
1961	12,525	1.120	535	583	4.7	531	1,114	1,649
1962	13,698	1,212	584	628	4.6	583	1,211	1,795
1963	14,050	1,215	581	634	4.5	615	1,249	1,830
1964	14,771	1,312	557	754	5.1	641	1,395	1,952
1965[1]/	16,224	1,488	619	869	5.4	671	1,539	2,159
1965[2]/	15,217	1,271	517	753	4.9	632	1,385	1,902
1966	17,016	1,544	633	911	5.4	676	1,587	2,220
1967[2]/	16,900	1,316	523	796	4.7	723	1,519	2,039
1968	18,738	1,534	645	889	4.7	780	1,669	2,314
1969	20,607	1,675	688	987	4.8	821	1,808	2,496
1970	21,069	1,211	492	719	3.4	869	1,588	2,080
1971[1]/	22,224	967	455	512	2.3	926	1,438	1,893
1971[2]/	- - -

TABLE XXIX (Cont.)

PAPER AND ALLIED PRODUCTS INDUSTRY

PROFIT AND LOSS DATA, CASH INFLOW AND SELECTED BALANCE SHEET DATA

1950 - 1984

(Millions of Dollars)

YEAR	Cash Dividends	Retained Earnings	Total Assets	Property Plant & Equipment Gross	Property Plant & Equipment Net	Net Worth	Long Term Debt	Total Capital	Net Profit After Taxes to Net Worth (%)
1950	178	380	5,055	N.A.	2,285	3,585	490	4,075	15.6
1951	200	359	6,005	N.A.	2,600	3,963	625	4,588	14.1
1952	196	241	6,301	4,643	2,777	4,298	784	5,082	10.1
1953	203	247	6,825	5,349	3,273	4,559	803	5,362	9.9
1954	227	252	7,085	5,694	3,367	4,963	908	5,871	9.7
1955	259	345	7,785	6,171	3,623	5,403	1,010	6,413	11.2
1956	273	384	8,492	7,028	4,213	5,772	1,286	7,058	11.4
1957	270	251	8,407	7,502	4,509	5,809	1,309	7,118	8.9
1958[1]	265	195	8,829	7,941	4,652	6,089	1,472	7,561	7.6
1958[2]	286	220	9,170	8,200	4,818	6,341	1,500	7,841	8.0
1959	290	329	9,721	8,740	5,062	6,642	1,512	8,154	9.3
1960	312	275	10,087	9,432	5,385	6,956	1,622	8,578	8.4
1961	328	255	11,051	10,447	5,857	7,612	1,719	9,331	7.6
1962	340	288	11,670	11,058	6,062	7,766	1,953	9,719	8.1
1963	348	286	11,859	11,420	6,079	7,886	1,964	9,850	8.0
1964	376	378	12,560	12,380	6,585	8,304	1,967	10,271	9.1
1965[1]	409	461	13,850	13,378	7,321	8,672	2,439	11,111	10.0
1965[2]	350	403	13,017	13,047	7,053	8,165	2,447	10,612	9.2
1966	372	539	14,621	14,662	8,131	8,710	3,104	11,814	10.5
1967[2]	391	405	15,645	15,403	8,579	9,011	3,736	12,747	8.8
1968	396	493	16,809	16,059	8,964	9,303	4,199	13,502	9.6
1969	418	569	18,794	17,169	9,529	10,212	4,267	14,479	9.7
1970	430	289	19,679	18,160	9,969	10,305	4,822	15,127	7.0
1971[1]	418	94	20,424	19,001	10,194	10,652	5,239	15,891	4.8
1971[2]	N.A.	N.A.	19,582	18,558	9,987	10,326	5,137	15,463	N.A.
1972	377	564	19,810	18,816	9,903	10,615	4,973	15,588	8.9
1973[1]	416	1,025	21,377	19,998	10,616	11,536	5,073	15,609	12.5
1973[2]	N.A.	N.A.	20,506	18,740	9,888	11,166	4,935	16,101	N.A.
1974[1]	519	1,668	23,696	19,093	11,524	12,958	5,346	18,304	16.8
1974[2]	530	1,754	26,088	21,856	12,012	13,602	6,457	20,059	16.8
1975	632	1,158	28,220	24,265	13,773	14,878	7,193	22,071	12.1
1976	660	1,601	32,010	27,284	15,659	17,203	7,625	24,828	13.2
1977[1]	725	1,502	34,450	29,545	17,131	18,321	8,551	26,872	12,2
1977[2]	793	1,566	37,047	31,866	18,590	19,704	9,254	28,958	12.0
1978[1]	877	1,771	40,810	34,420	20,226	21,181	10,082	31,263	12.5
1978[2]	859	1,739	40,118	33,563	19,644	20,794	9,900	30,694	12.5
1979	975	2,746	45,304	37,069	22,349	23,206	11,028	34,234	16.0
1980[1]	1,089	1,957	50,040	41,403	25,739	25,889	11,850	37,739	11.8
1980[2]	1,050	1,731	44,866	39,534	24,391	23,873	10,365	34,238	11.6
1980[3]	1,057E	1,743E	45,894	40,361	24,800	24,396	10,585	34,981	11.5
1981[1]	1,161	1,947	50,706	44,942	27,747	26,452	11,633	38,085	11.7
1981[2]	1,126	1,984	50,912	45,122	27,881	26,558	11,705	38,263	11.7
1982	1,104	355	52,915	48,235	29,711	26,705	13,149	39,854	5.5
1983[1]	1,139	1,197	56,126	51,692	32,208	27,509	13,946	41,455	8.5
1983[2]	1,137	1,191	54,821	50,957	31,826	27,219	13,565	40,784	8.5
1984	1,217	1,798	58,520	53,882	34,563	28,160	13,802	41,962	7.2

See Page 62 for footnotes

TABLE XXX

WHOLESALE AND PRODUCERS PRICE INDEXES

FOR SELECTED SUBGROUPS AND CLASSES OF

WOOD PULP, PAPER, PAPERBOARD AND CONVERTED PRODUCTS

1969 - 1984

(Index 1967 = 100)

	1969	1970	1971	1972	1973	1974	1975	1976
PULP, PAPER & ALLIED PRODUCTS	104.0	108.2	110.1	113.4	122.1	151.7	170.4	179.4
PULP, PAPER & PRODUCTS, exc. Building Paper & Board	104.1	108.5	110.4	113.7	122.5	152.8	171.9	180.8
Wood Pulp Sub-Group	100.0	109.6	112.1	111.5	128.3	217.8	283.4	286.0
Sulphate, Bleached	100.0	109.5	111.6	110.5	128.3	220.0	281.2	282.8
Sulphite, Bleached	100.0	109.9	113.2	113.2	129.5	227.0	298.7	291.0
Paper Making Wood Pulp	(Index Dec. 1973 = 100)			--	--	148.1	193.4	192.5
Bleached Sulphate Hardwood Pulp	(Index Dec. 1973 = 100)			--	--	147.2	186.4	181.1
Dissolving Wood Pulp	(Index Dec. 1973 = 100)			--	--	139.8	180.2	189.9
Waste Paper Sub-Group	138.7	125.0	112.1	133.6	197.4	265.5	110.2	184.9
No. 1 News	122.9	108.1	103.1	119.2	137.2	201.6	111.8	199.5
No. 1 Mixed	168.2	130.3	122.8	155.2	230.8	330.8	103.6	156.3
Old Corrugated Boxes	140.4	135.5	111.5	131.6	223.3	251.4	89.7	195.7
Semichemical Kraft Clippings	149.1	145.7	127.2	153.8	223.7	288.8	134.4	209.6
Mixed Kraft Clippings	157.6	153.6	130.9	163.2	247.1	323.2	138.3	231.0
White News Blanks	89.9	84.3	82.5	85.8	124.4	212.0	111.7	185.9
Paper Sub-Group	105.5	111.0	114.2	116.3	121.4	148.6	172.9	182.3
Paper, except Newsprint	105.8	112.0	114.8	116.1	121.0	147.7	169.3	177.1
Book Paper, Uncoated Offset	106.2	112.0	116.3	118.5	120.9	153.7	158.0	164.7
Wood Bond, Unwatermarked	108.8	115.6	120.1	121.9	124.8	139.5	148.5	151.1
25% Cotton Fiber	106.6	112.1	115.4	116.7	122.2	147.8	162.8	170.2
Wrapping Paper	104.5	117.6	117.9	119.8	127.4	158.6	200.8	208.4
Newsprint Class	104.4	107.6	112.2	116.7	122.2	151.2	184.0	198.2
Coated Printing Paper #3	(Index Dec. 1973 = 100)			--	--	110.1	118.4	128.5
Coated Printing Paper #5	(Index Dec. 1973 = 100)			--	--	119.6	136.3	144.9
Watermarked Bond #1	(Index Dec. 1973 = 100)			--	--	108.3	114.6	116.2
Form Bond, 12 lbs.	(Index Dec. 1973 = 100)			--	--	128.7	144.7	149.0
Uncoated Index Bristols	(Index Dec. 1973 = 100)			--	--	119.2	133.5	137.8
Shipping Sack, Unbleached Kraft	(Index Dec. 1973 = 100)			--	--	117.6	143.0	145.3
Standard Converting, Unbleached Kraft	(Index Dec. 1973 = 100)			--	--	116.1	140.7	141.5
Grocery Sack, Unbleached Kraft	(Index Dec. 1973 = 100)			--	--	118.3	150.7	152.0
Form Bond, 15 lb.	(Index Dec. 1975 = 100)			--	--	--	--	102.4
Paperboard Sub-Group	99.4	101.1	102.4	105.5	115.1	152.2	170.3	176.0
Containerboard Class	97.2	99.0	100.3	103.9	113.4	146.2	171.5	176.1
Linerboard, 42 lb. Kraft	97.5	99.2	100.3	103.4	111.4	143.8	171.0	174.4
Corrugating Medium, Semichemical	96.3	98.9	100.2	105.1	118.3	152.2	172.5	181.5
Folding Boxboard Class	102.5	103.2	104.6	106.5	115.7	158.2	162.8	167.4
Set-Up Boxboard Class	107.0	110.7	113.7	119.0	131.4	185.4	192.9	195.1
Chipboard	109.6	114.1	117.5	123.3	135.0	187.3	191.7	193.9
White Clay Coated, 80 Bright	(Index Dec. 1974 = 100)			--	--	--	100.0	103.7
Bleached Board Folding Carton	(Index Dec. 1974 = 100)			--	--	--	102.0	109.9
Uncoated Cup Stock	(Index Dec. 1974 = 100)			--	--	--	102.8	111.1
Tube, Can and Drum Stock	(Index Dec. 1974 = 100)			--	--	--	100.2	103.0
Converted Products Sub-Group	103.6	107.9	109.7	113.6	121.6	144.9	161.8	170.0
Sanitary Paper, etc.	109.1	115.1	119.6	121.0	124.8	155.7	194.7	214.4
Paper Bags, Shipping Sacks	98.4	106.9	100.1	107.6	119.4	138.6	155.7	163.5
Boxes, Shipping Containers	104.4	108.1	111.5	115.9	124.5	146.0	158.0	164.7
Gummed Sealing Tape	102.0	102.1	100.4	102.9	111.8	138.8	161.6	168.3
Office Supplies	98.7	101.4	101.9	103.2	109.9	136.1	148.5	149.4
Composite Cans	104.6	108.3	112.3	115.9	122.3	143.6	167.3	179.0
Building Paper and Board Sub-Group	105.5	101.0	102.8	106.4	112.8	123.5	127.1	138.8
All Commodities	106.5	110.4	114.0	119.1	134.7	160.1	174.9	183.0
Industrial Commodities	106.0	110.0	114.1	117.9	125.9	153.8	171.5	182.4

SOURCES: Bureau of Labor Statistics, Microfiche report containing complete series of producers price indexes through June 1984, U.S. Department of Labor, Washington, D.C.

NOTE: Annual figures are averages of monthly data.

TABLE XXX (Cont.)

WHOLESALE AND PRODUCERS PRICE INDEXES

FOR SELECTED SUBGROUPS AND CLASSES OF

WOOD PULP, PAPER, PAPERBOARD AND CONVERTED PRODUCTS

1969 - 1984

(Index 1967 = 100)

	1981 BLS Price Codes	1977	1978	1979	1980	1981	1982	1983	1984
PULP, PAPER & ALLIED PRODUCTS	**09**	**186.4**	**195.6**	**219.0**	**249.2**	**273.8**	**288.7**	**298.1**	**318.3**
PULP, PAPER & PRODUCTS, exc. Building Paper & Board	**091**	**187.3**	**195.6**	**220.2**	**250.6**	**270.8**	**273.2**	**271.4**	**293.1**
Wood Pulp Sub-Group	**0911**	**281.1**	**266.5**	**314.3**	**380.3**	**397.1**	**379.0**	**346.9**	**396.6**
Sulphate, Bleached	09110211	277.0	257.1	308.4	378.6	395.7	375.0	332.5	414.9
Sulphite, Bleached	09110221	278.1	268.6	336.3	420.6	431.4	405.6	331.9	N.A.
Paper Making Wood Pulp	091102	186.8	174.5	263.5	263.5	272.6	254.3	328.3	269.7
Bleached Sulphate Hardwood Pulp	09110212	174.0	162.9	197.5	240.2	241.9	208.6	214.5E	230.4
Dissolving Wood Pulp	091103	193.8	191.5	197.9	229.9	247.8	254.2	244.2	248.1
Waste Paper Sub-Group	**0912**	**187.2**	**191.2**	**206.6**	**208.7**	**175.7**	**122.8##**	**201.2##**	**240.1**
No. 1 News	09120102	209.6	200.5	151.8	167.4	95.7	72.1#	N.A.	193.1
No. 1 Mixed	09120205	174.4	224.0	204.3	221.7	189.8	142.7#	N.A.	244.7
Old Corrugated Boxes	09120311	186.4	202.0	278.4	192.0	136.9	94.6#	N.A.	300.3
Semichemical Kraft Clippings	09120415	210.4	224.2	335.4	325.7	277.7	184.1#	N.A.	317.4
Mixed Kraft Clippings	09120521	232.2	248.7	384.4	371.4	313.5	221.4#	N.A.	N.A.
White News Blanks	09120625	186.7	178.5	186.3	217.2	206.8	144.2#	N.A.	225.4
Paper Sub-Group	**0913**	**194.3**	**206.1**	**229.6**	**256.8**	**279.8**	**286.3**	**282.0**	**303.2**
Paper, except Newsprint	091301	187.2	199.4	222.8	249.3	271.1*	278.3*	276.9*	301.2*
Printing Paper, Ctd. 2 Sides, Other Grades	09130116	(Index June 1981=100)		--	--	--	104.2	105.3	117.1
Printing Paper, Ctd. 1 Side	09130117	(Index June 1981=100)		--	--	--	109.8	111.5	118.8
Book Paper, Uncoated Offset	09130122	173.8	188.3	214.1	238.9	266.3	247.3	270.6	290.1
Wood Bond, Unwatermarked	09130131	156.6	164.7	182.1	203.5	220.2	224.7	225.3	233.2
25% Cotton Fiber	09130141	180.1	187.3	203.7	230.0	248.1	261.2	265.7	293.6
Thin Paper	09130142	(Index June 1981=100)		--	--	--	107.2	107.7	113.3
Cover & Text	09130148	(Index June 1981=100)		--	--	--	105.8	108.1	117.4
Uncoated Body Stock	09130149	(Index June 1981=100)		--	--	--	97.8	95.5	105.5
Wrapping Paper	09130302	213.3	225.6	243.6	264.3	N.A.	313.2E	315.8	331.7
Newsprint Class	09130291	215.5	226.3	250.2	279.3	308.0	315.8	303.0	324.0
Coated Printing Paper #3	09130113	139.1	153.9	167.2	178.6	193.0	202.9	206.4	224.3
Coated Printing Paper #5	09130115	162.3	179.5	194.5	217.7	235.3	238.9	231.0	267.8
Watermarked Bond #1	09130132	119.9	125.3	137.4	150.4	N.A.	N.A.	N.A.	N.A.
Form Bond, 12 lbs.	09130133	154.2	165.3	187.8	209.7	226.3	217.7E	202.6E	N.A.
Uncoated Index Bristol	09130147	144.1	149.7	166.6	191.3	N.A.	N.A.	N.A.	N.A.
Packaging and Industrial Converting	091303	(Index June 1981=100)		--	--	--	98.6	98.1	103.9
Shipping Sack, Unbleached Kraft	09130304	155.4	161.5	178.3	199.6	220.4	214.8	226.8	240.8
Standard Converting, Unbleached Kraft	09130311,2	145.4	151.5	167.0	191.3	N.A.	N.A.	N.A.	N.A.
Other Converting, 18 lb & Over, Unbleached Kraft	09130311	(Index June 1981=100)		--	--	--	99.8	97.7	105.0
Other Converting, 18 lb. & Over, Exc. Unbleached Kraft	09130312	(Index June 1981=100)		--	--	--	100.8	99.8	104.2
Grocery Sack, Unbleached Kraft	09130307	151.2	158.2	179.6	210.6	223.9	208.3	206.1	227.2
Form Bond, 15 lb.	09130134	103.9	110.9	126.1	142.3	154.7	151.5	148.0	163.6
Special Industrial Paper	091304	(Index June 1981=100)		--	--	--	104.2	102.9	110.9
Paperboard Sub-Group	**0914**	**176.2**	**179.6**	**202.1**	**234.6**	**258.1**	**254.9**	**250.9**	**281.1**
Containerboard Class	091401	172.0	172.7	197.8	231.1	252.5	246.1	N.A.	N.A.
Linerboard, 42 lb. Kraft	09140101	170.6	171.5	196.4	231.0	251.8	247.0	105.0RS	122.1
Corrugating Medium, Semichem.	09140111	177.3	179.1	203.8	233.2	254.9	245.2	103.8RS	120.8
Folding Boxboard Class	091402	174.8	185.2	199.4	229.2	249.5	250.2	N.A.	N.A.
Set-Up Boxboard Class	091403	204.1	214.9	234.5	274.6	294.0	300.4	N.A.	N.A.
Chipboard	09140332	202.8	213.5	233.1	272.9	292.2	298.5	101.7RS	N.A.
White Clay Coated, 80 Bright	09140225	108.8	117.6	124.8	141.6	154.4	149.7	N.A.	N.A.
Bleached Board Fldg. Carton	09140441	117.4	124.0	134.4	152.6	176.1	177.7	100.8RS	N.A.
Uncoated Cup Stock	09140442	118.7	122.8	135.5	156.4	178.8	184.8	N.A.	N.A.
Tube, Can and Drum Stock	09140448	104.1	105.6	117.0	133.4	143.4	145.3	N.A.	N.A.
Converted Products Sub-Group	**0915**	**176.6**	**186.5**	**209.9**	**238.5**	**258.8**	**264.4**	**265.3**	**280.9**
Sanitary Paper, etc.	091501	236.7	253.8	279.9	325.0	347.3	353.7	361.0	365.6
Paper Bags, Shipping Sacks	091502	171.5	190.9	220.4	246.4	N.A.	263.3	260.6	290.6
Boxes, Shipping Containers	091503	167.6	174.6	197.6	223.2	243.9	249.6	248.4	263.5
Gummed Sealing Tape	09150431	175.8	187.6	205.5	246.7	260.9	267.7	263.1	272.8
Office Supplies	091506	151.4	156.7	178.6	198.7	214.6	224.6	227.4	241.4
Composite Cans	091507	194.3	209.6	226.4	253.3	272.8	298.4	317.7	330.3
Building Paper and Board Sub-Group	**092**	**157.0**	**187.4**	**182.4**	**206.2**	**231.7**	**239.5**	**250.0**	**258.9**
Publications, Pr. Matter & Prtg.	**093**			(Index Dec. 1980 = 100)		**108.2**	**118.4**	**125.9**	**133.4**
All Commodities		**194.2**	**209.3**	**235.6**	**268.8**	**293.4**	**299.3**	**303.1**	**310.3**
Industrial Commodities		**195.1**	**209.4**	**236.5**	**274.8**	**304.1**	**312.3**	**315.7**	**322.6**

* Also excludes packaging paper E - Estimate N.A. - Not Available # - January-September average

RS - Revised Series, December 1982 = 100. Definitions not fully consistent with earlier ones. ## - July-December average

TABLE XXXI

GENERAL STATISTICS FOR THE PAPER AND ALLIED PRODUCTS INDUSTRY

1982

CODE	INDUSTRY GROUP & INDUSTRY	All Employees		Production Workers			Value Added by Manufacture	Cost of Materials	Value of Industry Shipments	Capital Expenditures New	End-of-Year Inventories
		Number (000)	Payroll ($ Mil.)	Number (000)	Man-Hours (Mil.)	Wages ($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)
26	PAPER AND ALLIED PRODUCTS	604.9	12,933.2	460.4	922.1	9,029.8	33,355	46.590.6	79,846.3	5,098	8,913.5
2611	Pulp Mills	16.7	467.5	12.8	24.8	344.1	1,113.8	1,986.5	3,110.4	658.6	451.5
2621	Paper Mills, exc. Bldg. Paper	129.0	3,430.6	100.1	208.4	2,563.6	8,954.1	12,136.7	20,994.6	1,856.1	2,247.1
2631	Paperboard Mills	55.6	1,501.5	43.0	88.5	1,117.7	3,739.8	5,842.3	9,531.1	1,286.7	759.6
264	Misc.Converted Paper Products	213.3	3,960.4	161.6	319.5	2,665.8	12,012.9	14,656.9	26,698.5	786.2	3,069.3
2641	Paper Coating and Glazing	43.1	882.4	29.5	59.1	529.3	2,330.5	3,117.2	5,454.0	200.8	715.3
2642	Envelopes	24.4	428.7	19.0	37.0	287.5	853.6	919.9	1,771.3	45.1	210.4
2643	Bags, except Textile Bags	50.2	850.9	39.9	78.7	597.7	2,055.5	2,972.5	5,037.6	140.8	690.3
2645	Die-Cut Paper and Board	15.9	245.9	12.6	23.7	168.6	708.7	975.4	1,680.1	32.7	191.5
2646	Pressed and Molded Pulp Goods	3.2	60.7	2.6	5.3	47.9	140.8	99.3	236.2	7.1	28.6
2647	Sanitary Paper Products	36.7	863.3	28.8	59.0	641.3	4,341.0	4,736.6	9,086.0	271.1	640.0
2648	Stationery Products	12.6	193.1	9.5	18.3	127.1	433.1	600.7	1,034.0	21.4	177.2
2649	Converted Paper Products, NEC	27.2	435.4	19.7	38.4	266.4	1,149.7	1,235.3	2,399.3	67.2	416.0
265	Paperboard Containers and Boxes	186.7	3,502.6	140.0	275.2	2,283.8	7,376.2	11,763.8	19,145.6	495.9	2,340.6
2651	Folding Paperboard Boxes	43.3	832.3	34.2	68.8	582.9	1,663.4	2,218.3	3,886.3	104.4	636.6
2652	Set-Up Paperboard Boxes	10.6	134.7	8.9	16.7	91.3	250.2	184.5	433.2	10.0	62.0
2653	Corrugated, Solid Fiber Boxes	94.3	1,857.7	67.2	131.7	1,144.8	3,656.6	6,870.7	10,543.9	283.4	1,041.3
2654	Sanitary Food Containers	24.6	430.1	18.4	36.2	283.8	1,239.4	1,602.6	2,825.8	67.1	449.3
2655	Fiber Cans,Drums,Similar Prod.	13.9	247.8	11.3	21.8	181.0	566.6	887.7	1,456.4	31.0	151.4
2661	Building Paper and Board Mills	3.6	70.6	2.9	5.7	54.8	158.2	204.4	366.1	14.5	45.4

1981

CODE	INDUSTRY GROUP & INDUSTRY	All Employees		Production Workers			Value Added by Manufacture	Cost of Materials	Value of Industry Shipments	Capital Expenditures New	End-of-Year Inventories
		Number (000)	Payroll ($ Mil.)	Number (000)	Man-Hours (Mil.)	Wages ($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)	($ Mil.)
26	PAPER AND ALLIED PRODUCTS	635.8	12,643.7	486.6	993.5	8,823.4	32,351.1	48,312.7	80,233.8	5,202.1	8,446.0
2611	Pulp Mills	15.9	408.1	12.3	25.1	310.4	1,221.7	1,960.1	3,141.8	521.5R	399.9
2621	Paper Mills, exc. Bldg. Paper	130.4	3,236.2	101.6	212.3	2,408.9	8,533.1	12,135.3	20,544.1	2,434.8R	1,987.7
2631	Paperboard Mills	61.7	1,570.1	48.4	102.3	1,191.7	4,304.1	6,622.9	10,881.8	974.2	757.1
264	Misc.Converted Paper Products	221.4	3,839.1	167.8	334.8	2,550.0	10,929.3	15,287.7	26,111.6	746.1	3,004.2
2641	Paper Coating and Glazing	42.2	805.8	28.5	58.0	473.9	2,103.6	3,077.9	5,146.0	199.8	672.3
2642	Envelopes	25.6	393.8	20.3	39.6	268.8	769.1	837.1	1,600.7	38.1	179.9
2643	Bags, except Textile Bags	54.7	884.0	43.3	87.7	606.8	2,123.2	3,523.8	5,613.4	165.7	712.3
2645	Die-Cut Paper and Board	17.2	258.1	13.2	24.9	166.8	683.1	1,004.6	1,676.6	23.2	178.8
2646	Pressed and Molded Pulp Goods	3.2	60.5	2.7	5.9	48.6	128.0	108.7	238.6	2.5	23.0
2647	Sanitary Paper Products	36.6	804.6	28.9	58.4	599.5	3,654.0	4,670.4	8,345.8	248.2	614.5
2648	Stationery Products	11.9	168.6	9.0	17.3	110.4	234.9	666.2	892.9	13.1	143.8
2649	Converted Paper Products, NEC	30.1	463.8	21.9	42.9	275.2	1,233.4	1,398.9	2,597.6	55.4	479.6
265	Paperboard Containers and Boxes	199.8	3,479.2	151.2	308.3	2,275.8	7,152.1	11,966.7	19,014.4	498.7	2,236.6
2651	Folding Paperboard Boxes	44.3	760.3	35.5	72.4	543.1	1,557.7	2,060.8	3,556.8	100.9	593.2
2652	Set-Up Paperboard Boxes	13.7	160.2	11.6	29.2	107.9	299.1	215.7	510.5	18.6	72.9
2653	Corrugated, Solid Fiber Boxes	97.3	1,818.7	69.5	139.2	1,118.2	3,632.4	7,128.8	10,760.3	271.2	971.9
2654	Sanitary Food Containers	28.3	462.3	21.6	42.0	306.7	1,079.0	1,642.0	2,690.9	70.7	439.4
2655	Fiber Cans,Drums,Similar Prod.	16.2	277.7	13.1	25.6	200.0	583.8	919.4	1,496.0	37.3	159.2
2661	Building Paper and Board Mills	6.5	111.2	5.3	10.7	86.6	210.8	340.0	540.1	26.8	60.5

SOURCE: 1982 Census of Manufactures
1981 Survey of Manufactures
* - Data for Inventories and Value Added suppressed in preliminary Census report

SECTION V

SUPPLEMENT

Tables XXXII and XXXIII present data on production, imports, exports and new supply of wet machine board and total construction paper and board, for the years 1947 through 1984. The production data for 1982-1984 are API estimates; all the other data are drawn from Bureau of the Census reports.

These data are included in the production and new supply totals shown in Tables I and X. API does not collect data on these grades.

Table XXXIV presents the data on imports used in computing the new supply total presented in Table X that were taken from sources other than Bureau of the Census. The Printing-Writing Paper Division of the API has expanded its estimates of imports and exports to include thin papers, bleached bristols and cotton fiber papers. Import and export data they compiled are for the period 1978 through 1984, and are presented on these tables. In some instances, these data are the same as the Census data. However, the bleached bristol figures for imports include coated bleached bristols, which are included as products in Table XIII, which shows the Census data.

Table XXXV presents similar data on exports. The Census data are presented in Table XIV.

This section also includes the index to this report.

TABLE XXXII

WET MACHINE BOARD PRODUCTION, IMPORTS, EXPORTS AND CONSUMPTION

CENSUS DATA

1947 - 1984

(In Tons of 2,000 Pounds)

YEAR	Production	Imports	Exports	New Supply
1947	149,800	-	-	150,000
1948	142,134	-	-	142,000
1949	129,761	1,240	2,615	128,386
1950	164,611	2,136	3,266	163,481
1951	150,559	3,144	3,876	149,827
1952	140,175	2,242	3,318	139,099
1953	156,496	2,872	3,698	155,670
1954	135,910	3,349	3,420	135,839
1955	178,687	4,211	3,727	179,171
1956	146,589	3,492	3,998	146,083
1957	137,998	3,289	4,188	137,099
1958	121,103	4,566	3,884	121,785
1959	144,807	5,214	3,566	146,455
1960	174,992	4,517	2,791	176,718
1961	155,205	3,668	3,516	155,357
1962	145,625	4,905	5,312	145,218
1963	140,669	2,925	4,412	139,182
1964	147,880	10,403	4,884	153,399
1965	143,872	10,306	4,139	150,039
1966	148,098	5,537	4,811	148,824
1967	143,984	8,636	5,218	147,402
1968	154,794	11,146	4,318	161,622
1969	147,671	9,073	3,842	152,902
1970	139,055	9,308	4,614	143,749
1971	137,825	6,198	4,383	139,640
1972	147,914	4,204	5,642	146,476
1973	148,892	6,883	7,495	148,280
1974	143,862	5,899	11,287	138,474
1975	115,169	3,814	6,136	112,847
1976	129,955	6,988	6,617	130,326
1977	128,627	3,608	8,051	124,184
1978	136,337	2,614	7,554	131,397
1979	144,059	2,345	7,371	139,033
1980	137,649	2,118	8,017	131,750
1981	160,293	1,684	10,812	151,165
1982	129,000E	1,842	11,089	120,000E
1983	140,000E	3,584	11,624	132,000E
1984	150,000E	2,826	13,872	139,000E

SOURCE: Production - Department of Commerce, Bureau of the Census, Industry Division.
Current Industrial Reports: Pulp, Paper and Board, Annual Issues
Imports and Exports: Foreign Trade Division, Department of Commerce
E - Estimated

TABLE XXXIII

CONSTRUCTION PAPER AND BOARD PRODUCTION, IMPORTS, EXPORTS AND CONSUMPTION

CENSUS DATA

1947 - 1984

(In Tons of 2,000 Pounds)

YEAR	Production	Imports	Exports	New Supply
1947	2,047,763	32,923	35,406	2,045,280
1948	2,227,217	30,695	23,277	2,234,635
1949	1,773,573	22,541	28,090	1,768,024
1950	2,263,617	30,677	24,019	2,270,275
1951	2,303,538	29,057	30,223	2,302,372
1952	2,197,763	27,545	24,343	2,200,965
1953	2,322,275	26,177	25,871	2,322,581
1954	2,436,002	21,228	28,355	2,428,875
1955	2,698,344	28,944	30,580	2,696,708
1956	2,530,407	29,429	33,650	2,526,186
1957	2,317,701	19,040	31,800	2,304,941
1958	2,446,375	23,073	25,613	2,443,825
1959	2,605,831	27,698	28,250	2,606,279
1960	2,507,763	18,090	28,137	2,497,716
1961	2,474,304	11,168	31,430	2,454,042
1962	2,508,987	16,076	27,187	2,497,876
1963	2,591,639	28,851	26,304	2,594,186
1964	2,747,582	44,359	28,539	2,763,402
1965	2,822,203	29,471	29,463	2,822,211
1966	2,649,808	25,945	33,720	2,642,033
1967	2,679,098	26,591	26,539	2,679,150
1968	2,906,986	38,856	33,957	2,911,885
1969	2,955,112	39,362	42,837	2,951,637
1970	2,812,345	48,875	32,843	2,828,377
1971	3,282,908	81,262	37,673	3,326,497
1972	3,444,014	104,385	44,335	3,504,064
1973	3,404,880	105,558	54,385	3,456,053
1974	3,140,084	88,701	66,242	3,162,543
1975	2,864,353	84,363	59,575	2,889,141
1976	3,205,761	93,155	62,206	3,238,710
1977	3,255,141	135,274	50,270	3,340,145
1978	3,339,792	329,594	63,850	3,605,536
1979	3,130,601	382,883	54,642	3,458,842
1980	2,420,112	473,679	57,662	2,836,129
1981	1,989,203	396,496	68,832	2,316,867
1982	1,533,000E	419,515	47,833	1,905,000E
1983	1,780,000E	473,667	55,746	2,198,000E
1984	1,950,000E	496,830	63,890	2,383,000E

SOURCE: Production - Department of Commerce, Bureau of the Census, Industry Division.
Current Industrial Reports: Pulp, Paper and Board, Annual Issues
Imports and Exports: Foreign Trade Division, Department of Commerce

NOTE: Excludes Hard Pressed Board
E - Estimated

TABLE XXXIV

IMPORTS

1959 - 1984
(000 Tons)

YEAR	Newsprint	Uncoated Groundwood Paper	Coated Papers	Uncoated Free Sheet Papers	Thin Papers	Bleached Bristols	Total Printing/ Writing
1959	5,274	41.5	0	0.2			
1960	5,426	39.5	0	1.8			
1961	5,382	35.9	0	3.4			
1962	5,415	41.5	0	3.8			
1963	5,398	44.2	0	5.3			
1964	5,908	70.6	0	11.2			
1965	6,349	98.1	0.9	10.7			
1966	6,884	132.9	0.9	14.2			
1967	6,546	147.5	1.4	34.7			
1968	6,391	136.8	1.3	13.4			
1969	6,724	216.9	3.3	15.4			
1970	6,477	232.9	3.5	48.9			
1971	6,463	244.2	4.7	108.5			
1972	6,758	225.1	4.5	93.3			
1973	7,236	237.1	12.3	120.2			
1974	7,452	321.3	16.3	138.9			
1975	5,552	264.0	4.7	86.9			
1976	6,308	338.1	15.5	133.9			
1977	6,339	443.2	111.6	155.3			
1978	7,102	610.7	213.7	112.7	7.3	15.3	959.7
1979	7,168	694.5	188.7	141.7	14.9	14.0	1,053.8
1980	6,880	688.1	114.8	119.0	6.3	13.1	941.3
1981	6,725	650.0	39.0	119.5	12.0	7.0	827.5
1982	6,214	652.8	69.1	157.0	11.3	14.2	904.4
1983	6,725	920.4	162.4	222.8	20.3	19.2	1,345.1
1984	7,276.3	1,298.1	428.4	459.0	46.4	23.4	2,255.3

SOURCE: Newsprint - Canadian Shipments to U.S., CPPA; Other Country Imports to U.S., U.S. Bureau of Census
Uncoated Groundwood - Imports from Canada, CPPA
Imports from other countries, Bureau of the Census, adjusted by Printing/Writing Division of API
Uncoated Free Sheet Papers - Bureau of the Census, adjusted by Printing/Writing Division of API
Coated Papers - Bureau of the Census

NOTE: Imports used to compute new supply for Table X.

TABLE XXXV

EXPORTS

1959 - 1984
(000 Tons)

YEAR	Uncoated Groundwood Papers	Coated Papers	Uncoated Free Sheet Papers	Thin Papers	Cotton Fiber Papers	Bleached Bristols	Total Printing/ Writing	Unbleached Kraft Paperboard	Semichem. Paperboard	Bleached Paperboard	Recycled Paperboard
1959	4.6	25.6	44.8					329.0	21.0	17.0	40.0
1960	8.6	26.1	38.2					381.0	31.0	23.0	46.0
1961	10.2	21.7	34.6					407.0	62.0	32.0	60.0
1962	9.1	24.3	31.3					445.0	44.0	33.0	55.0
1963	11.1	27.1	30.1					517.0	83.0	39.0	53.0
1964	13.1	36.6	34.4					765.0	107.0	45.0	71.0
1965	3.2	48.5	29.0					905.0	55.0	47.0	32.0
1966	3.8	49.6	30.6					1,016.0	64.0	59.0	27.0
1967	4.4	46.8	27.3					1,174.0	76.0	61.0	23.0
1968	7.9	57.1	31.9					1,380.7	94.0	108.5	12.8
1969	6.1	70.0	35.3					1,682.8	52.4	108.1	16.8
1970	7.3	75.2	41.3					1,683.4	84.3	114.4	17.3
1971	9.9	72.2	46.2					1,834.3	104.0	156.5	20.6
1972	17.6	76.2	50.6					1,887.5	111.7	217.8	14.4
1973	29.7	80.6	64.9					1,596.7	107.4	280.3	30.8
1974	53.3	98.8	100.4					1,582.7	145.5	320.2	101.0
1975	74.7	122.8	119.8					1,058.0	115.4	256.2	23.9
1976	70.6	106.7	147.3					1,247.3	119.3	306.1	36.5
1977	54.1	98.9	111.4					1,289.6	121.9	389.4	29.6
1978	58.1	73.7	84.9	26.5	12.2	10.7	266.1	1,466.3	119.2	432.9	21.6
1979	80.4	73.5	68.1	32.4	10.9	9.2	274.5	1,645.3	98.2	496.7	21.8
1980	101.0	92.8	88.3	33.8	16.6	8.8	341.3	2,379.8	322.3	549.4	82.6
1981	119.7	88.6	116.7	42.7	9.2	6.4	383.3	1,886.6	155.2	556.6	23.8
1982	55.9	81.4	70.6	27.7	6.6	4.4	246.6	1,931.4	184.9	524.7	12.7
1983	37.5	79.2	59.3	17.6	4.8	3.7	202.1	2,280.7	192.6	514.5	24.3
1984	30.2	85.6	65.5	14.0	4.6	3.0	202.9	2,086.4	149.2	478.3	17.4

SOURCE: Paper Grades - Bureau of the Census; Printing/Writing Paper Division compilation
Paperboard Grades - 1959-1967 - Bureau of the Census
1968-1984 - American Paper Institute (See Table VII)

NOTE: Exports used to compute new supply for Table X.

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